

June 25, 2012

#### United States Environmental Protection Agency

Region V Emergency Response Branch Gross Ile, Michigan 48138

Subject: Request for Emergency Response Assistance

Former Ramada Hotel 4300 West Pierson Road

Flint (Mt. Morris Township), Genesee County, Michigan

#### To Whom It May Concern:

The Genesee County Land Bank Authority (GCLB) respectively requests emergency response assistance to remove potential threats to human health and the environment posed by the property identified as Former Ramada Hotel, 4300 West Pierson Road, Flint (Mt. Morris Township), Genesee County, Michigan (the subject property).

Genesee County is the current owner and manager of the subject property. Genesee County received the subject property involuntarily through tax reversion. The following reports document the known environmental condition of the subject property:

 Asbestos and Hazardous Materials Survey, Dated September 19, 2011, prepared by AKT Peerless Environmental & Energy Services.

A copy of the above report is attached to this letter.

Based on the results of the above investigations, a response activity is believed necessary for but is not limited to the following:

- The presence of significant quantities of asbestos containing building materials and associated debris.
- The unsecured nature of the subject building.
- The imminent threat to human health and environment from the above conditions.



We look forward to your assistance and working with you on this project. If you have any questions or require additional information, please contact me at (810) 257-3088 or via e-mail at ljames@thelandbank.org. Technical questions can be directed towards our environmental consultant Ryan T. Londrigan of AKT Peerless at (989) 754-9896 or via email at londriganr@akepeerless.com.

Sincerely,

Genesee County Land Bank Authority

Douglas Weiland Executive Director



# ASBESTOS AND HAZARDOUS MATERIALS SURVEY FORMER RAMADA INN AND SUITES 4300 WEST PIERSON ROAD FLINT, MICHIGAN 48504

for

GENESEE COUNTY LAND BANK AUTHORITY
452 SAGINAW STREET. 2<sup>ND</sup> FLOOR
P.O. BOX 745
FLINT, MICHIGAN 48502

AKT PEERLESS PROJECT NO. 7168S-1-190 SEPTEMBER 19, 2011 REVISED



### TABLE OF CONTENTS

<u>SEC</u>	<u>TION</u>	<u> </u>	<u>PAGE</u>
1.0	INT	RODUCTION	1
	1.1	PURPOSE	1
	1.2	LIMITATIONS AND EXCEPTIONS OF THE SURVEY	1
2.0	ASB	ESTOS SURVEY	3
	2.1	SCOPE OF WORK	4
3.0	ASB	ESTOS SURVEY PROCEDURES	4
	3.1	DESCRIPTION OF HOMOGENEOUS AREAS	4
	3.2	DESCRIPTION OF FUNCTIONAL SPACES	5
	3.3	BULK SAMPLE MATERIAL INVENTORY	5
		3.3.1 Surfacing Materials (SM)	5
		3.3.2 Thermal System Insulation (TSI)	6
		3.3.3 Miscellaneous Materials (MM)	6
	3.4	LABORATORY ANALYTICAL PROCEDURES	6
4.0	SUR	VEY FOR OTHER POTENTIALLY HAZARDOUS MATERIALS	7
	4.1	OTHER HAZARDOUS MATERIALS INSPECTION PROCEDURES	7
	4.2	ELEVATOR HYDRAULIC OIL PCB TEST RESULTS	8
	4.3	LEAD AND CADMIUM BASED PAINT TESTING	8
5.0	CON	NCLUSIONS AND RECOMMENDATIONS	8
	5.1	SUMMARY OF IDENTIFIED ASBESTOS CONTAINING MATERIALS.	8
	5.2	SUMMARY OF IDENTIFIED OTHER POTENTIALLY HAZARDOUS	
	MAT	TERIALS	11
60	LIM	TTATIONS	11



### TABLE OF CONTENTS CONTINUED

### **FIGURES**

	SUBJECT PROPERTY LOCA		
	FUNCTIONAL SPACE MAP		
	FUNCTIONAL SPACE MAP		FERENCE AREA
	FUNCTIONAL SPACE MAP		
FIGURE 5	FUNCTIONAL SPACE MAP	– 4 <sup>TH</sup> FLOOR	
FIGURE 6	FUNCTIONAL SPACE MAP	-5 <sup>TH</sup> FLOOR	

### **APPENDICES**

APPENDIX AFUNCTIONAL SPACE AND BULK SAMPLE MATERIAL INVENTORY
THE PROPERTY OF THE STREET HAS BEEN SHAMED HAVE BUTTERED BY VERY OFFI
TABLES
APPENDIX BBULK ASBESTOS SAMPLE LABORATORY DATA SHEETS
APPENDIX CSUMMARY OF HAZARDOUS MATERIALS
APPENDIX DLABORATORY ANALYTICAL RESULTS FOR PCB SAMPLES



### ASBESTOS AND HAZARDOUS MATERIALS SURVEY FORMER RAMADA INN AND SUITES 4300 WEST PIERSON ROAD FLINT, MICHIGAN 48504

**FOR** 

GENESEE COUNTY LAND BANK AUTHORITY 452 SAGINAW STREET, 2<sup>ND</sup> FLOOR FLINT, MICHIGAN 48502

#### **AKT PEERLESS PROJECT NO. 7168S**

#### 1.0 INTRODUCTION

Genesee County Land Bank Authority (GCLBA) retained AKT Peerless Environmental & Energy Services (AKT Peerless) to conduct a pre-demolition Asbestos and Hazardous Materials Survey of the former Ramada Inn and Suites at 4300 West Pierson Road, Flint, Michigan. Refer to Figure 1 for a Subject Property Location Map. AKT Peerless' scope of work is based on its Sampling and Analysis Plan, approved by the United States Environmental Protection Agency (USEPA), and the terms and conditions of the agreement.

#### 1.1 PURPOSE

The purpose of AKT Peerless' asbestos survey was to: (a) identify and locate suspect asbestos containing material (ACM), (b) establish a sampling plan, based on homogeneous and functional areas, (c) to sample and assess significant sources of friable and non-friable suspect ACM, (d) quantify the ACM identified at the property, and (e) prepare a final summary documenting ACM and Presumed Asbestos Containing Materials (PACM) quantities, locations, and results.

The purpose of the AKT Peerless' hazardous materials survey was to: (a) identify and locate potentially hazardous materials (other than asbestos) that may require removal and disposal, or other special consideration, before the building demolition occurs (often these materials are banned from landfill disposal), and (b) prepare a final summary documenting the potentially hazardous materials.

#### 1.2 LIMITATIONS AND EXCEPTIONS OF THE SURVEY

Locating and identifying building materials that contain asbestos and other potentially hazardous materials is a difficult and time-consuming task. All buildings have hidden spaces that may not be immediately obvious to a surveyor, who is not intimately familiar with the building and who has only a limited time in the building. Complicating this task is the fact that asbestos was used in a variety of building components and in many types of materials in the construction of buildings. In some of these materials, asbestos is present, not as an intentional ingredient, but as a contaminant.



Although AKT Peerless uses trained and licensed inspectors in attempting to locate and identify building materials that contain asbestos and other hazardous materials, AKT Peerless cannot verify that all ACMs and other hazardous materials have been identified. It is possible that there are materials or building components that were not found, because they were not visible or accessible to the inspection team or for various other reasons, were not sampled.

Quantities of identified ACM and other hazardous materials that are reported in this survey are often used to generate cost projections for abatement projects. AKT Peerless recommends that a contingency of 15 percent be considered to address a number of unknown factors that may significantly affect the cost projection. Further, it should be anticipated that there will be other costs associated with the construction/abatement including engineering and testing fees. For planning purposes, AKT Peerless recommends an allowance of 20 percent for these costs.

Quantities of identified ACM reported in this document are provided for reference only and should not be relied upon for abatement bidding purposes. AKT Peerless strongly cautions against utilizing the reported material quantities without field verification. It is expected that contractors will utilize their own quantities when preparing bid pricing. AKT Peerless recommends that a contingency allowance be used to address estimating method uncertainties for quantified materials. Listed quantities should be used for reference purposes only and are not authorized to be used for contractor bidding purposes.

AKT Peerless encountered building-specific limitations during the survey including, but not limited to, the following:

- Areas enclosed by fixed wall systems were restricted to limited visual access. Fixed wall
  systems include, but are not limited plaster, concrete, brick, block, and paneled walls with
  an underlying building structure. These systems are installed in the interior areas of the
  buildings. As part of the survey, only limited inspection of the internal wall cavities were
  possible.
- Access to suspect ACM and hazardous materials was restricted in areas defined as being located within a regulated confined space (i.e., such as within machinery, pits, crawl spaces, etc.). These areas require the use of trained confined space professionals, personnel protective equipment, and rescue personnel.
- During the survey, the facility lacked electrical lighting. AKT Peerless used portable spotlights and flashlights to improve general viewing conditions.
- Access was not available to the elevator shafts located within the subject building.
- Sampling of the building roofs was not performed as part of this assessment due to access limitations and safety concerns. Among other restrictions only limited roof access was readily available. Due to these limitations, it is recommended that the roof system or materials in elevated areas, be sampled prior to building demolition activities or assumed to be asbestos containing. For the purpose of this report, AKT Peerless assumed the roofing materials (tar, shingles, etc.) to be asbestos containing.
- During the survey, no dismantling of electrical, mechanical, or hydraulic equipment was conducted. Due to potential hazards, confined spaces, and because trade personnel were not available (i.e., electrician, plumbers, etc.), no dismantling of equipment was



performed to identify the existence of PCB containing components, mercury switches, or asbestos insulation.

- Water and debris located within the pool limited observations.
- The estimated contents of unlabeled containers observed on-site are based on the professional judgment of its appearance and experience with similar containers in similar situations or facilities. Materials described as unknowns will require further characterization prior to disposal.
- The presence of debris, stored items, and remaining furniture limited the inspection and observations.
- Observations on the exterior of property were limited by the presence of overgrown vegetation in certain area.
- The inspection was limited by presence of unsafe conditions including the presence of trespassers who were entering the building to steal metal. Note that certain items inventoried (metal light fixtures with ballasts) within this report may have subsequently been removed by unauthorized persons. As noted in this report, asbestos containing pipe insulation elbows formerly located within the guest room bathroom walls appeared to have all been removed from their original location and deposited on the guest room floor.
- During the survey, areas of the subject building were inaccessible due to locked doors, stuck doors, and/or the presence of debris. Among other areas, the two rooms located on east wall of the pool area were locked and inaccessible.
- AKT Peerless estimated the quantity of asbestos containing building materials located at the subject property; however, as stated above, AKT Peerless does not warranty the accuracy of these estimates. Many ACMs were not readily accessible for quantification. Examples of the materials with limited accessibility includes: the thermal pipe insulation, thermal pipe fittings, and floor tiles located beneath debris. Due to this limitation, actual quantities of ACM as measured by an asbestos abatement contractor during building renovation or demolition activities is expected to vary (greater or lesser) in comparison to quantities estimated as part of this survey. AKT Peerless also advises abatement contractors to use destructive search methods during any removal activities.

#### 2.0 <u>ASBESTOS SURVEY</u>

In August 2011, Mr. Ryan T. Londrigan of AKT Peerless conducted a Pre-Demolition Asbestos Survey of the subject building. During the Asbestos Survey, AKT Peerless noted observable materials (e.g., materials that are readily accessible and visible without dismantling permanent structures, such as walls, floors and ceilings) that may contain asbestos.

AKT Peerless was not provided with as-built site plans, drawings, or construction specifications by the client or Mt. Morris Township Assessing/Building Departments. However, AKT Peerless prepared general site drawings of the subject buildings, which are included as Figures 2 - 6.

AKT Peerless was not provided with any previous asbestos, hazardous materials, or environmental surveys for the subject property.



#### 2.1 SCOPE OF WORK

The scope of work for AKT Peerless' asbestos survey is based on the Asbestos School Hazard Abatement Reauthorization Act (ASHARA). The purpose of ASHARA is to extend the Asbestos Hazard Emergency Response Act (AHERA) inspection and management requirements to commercial and industrial buildings. Further, the survey is based on the ASTM Standard E 1368, Standard Practice for Assessment of Asbestos Containing Building Materials (ACM) in Connection with Real Estate Transaction.

The asbestos survey was performed using the following procedures:

- 1. AKT Peerless conducted an inspection of the building area to identify building materials that are suspect for asbestos content. The AHERA rule requires that the suspect materials be identified, located and documented, and that friable suspect materials are assessed and classified for friability and damage. During the inspection, homogeneous areas were delineated and sampled, as appropriate. Functional spaces were also identified for purposes of assessing all suspect materials, as appropriate.
- 2. AKT Peerless conducted a physical assessment of friable and non-friable suspect materials. In accordance with AHERA, non-friable suspect materials do not require a physical assessment. However, a general description of the condition of the non-friable suspect materials was provided. The physical assessment includes assessing (a) the condition of the friable suspect material and (b) the potential for disturbance.
- 3. All samples collected were submitted with chain-of-custody documentation to an analytical laboratory that participates in the National Voluntary Laboratory Accreditation Program (NVLAP). All samples were analyzed using polarized light microscopy (PLM) with dispersion staining following USEPA Test Method (EPA-600/M4-82-020) and the National Institute of Standards and Technology (NIST) Bulk Asbestos Handbook. In an effort to minimize costs, AKT Peerless used first positive stop analysis methodologies. First positive stop involves analyzing samples by homogeneous area groupings. Laboratory analyses were performed sample by sample within each homogeneous area grouping until a sample was determined to be asbestos containing.

#### 3.0 ASBESTOS SURVEY PROCEDURES

The following sections of this survey outline the approach, procedures, and methods employed by AKT Peerless to complete the Asbestos Survey of the on-site buildings.

#### 3.1 DESCRIPTION OF HOMOGENEOUS AREAS

During the asbestos survey, AKT Peerless identified Homogeneous Areas (HA) based on appearances and type of materials observed. As defined under AHERA, a homogeneous area is an area that appears similar throughout in terms of its color, texture, and date of material application.

In addition, building materials suspect for asbestos content are also described based on one of three material classifications that include:



<u>Surfacing Materials (SM):</u> A material that is sprayed-on, troweled-on, or otherwise applied to surfaces such as: acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

<u>Thermal System Insulation (TSI):</u> A material that is applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat lost or gain, or water condensation, or for other purposes.

<u>Miscellaneous Materials (MM):</u> A building material on structural components, structural members, or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

During the preparation of this survey, 118 homogeneous areas were identified. A description of homogeneous areas is presented for review in Appendix A.

#### 3.2 DESCRIPTION OF FUNCTIONAL SPACES

In general, functional spaces are defined as spatially distinct units or areas within a building, which contain identifiable populations of building occupants. These spaces can include office areas, storage spaces, services areas, guest rooms, etc. However, a functional space can also be delineated based on the general building layout, facility use factors, and can be assigned using various arbitrary factors that were useful in the completion of this survey. AKT Peerless designated several functional spaces throughout the subject property. The functional spaces are summarized in Appendix A. A depiction of the subject building and functional spaces, as well as the floor plan layout is presented for review on Figures 2 through 5.

#### 3.3 BULK SAMPLE MATERIAL INVENTORY

Based on the inspection, 118 homogeneous materials were identified during the survey. With the exception of select materials, which were assumed to contain asbestos, AKT Peerless collected bulk samples of the homogeneous materials for laboratory analysis.

Samples were collected in polyethylene containers and labeled with an identification number. In general, AKT Peerless' sampling protocol consisted of: (a) extracting a sample with a clean knife, chisel, or coring tool and (b) placing the sample into its properly labeled sample container.

The sampling protocol used to procure the appropriate number of samples for an identified homogeneous area of suspect ACM is based on sampling guidelines outlined under AHERA and is detailed as follows:

#### 3.3.1 Surfacing Materials (SM)

Surfacing materials consist of building materials that have been sprayed-on, troweled-on, or otherwise applied to building surfaces for acoustical, fireproofing, or other purposes. Sample locations selected were evenly distributed and representative of the entire survey area. If fewer than nine samples are collected, a random sampling scheme was used to determine the sample locations.



#### 3.3.2 Thermal System Insulation (TSI)

For thermal system insulation, the number of samples and the sample locations was dependent on local circumstances. Typically, a minimum of three samples of each homogeneous sampling area was collected. For long pipe runs and for piping runs that extend into additional functional areas, additional samples were collected as appropriate at the discretion of the accredited inspector. For pipe runs or patched areas of less than six linear feet (e.g., where facility repair or re-insulation activities may have occurred), at least one sample was collected. In addition, areas of pipe insulating cement were sampled based on the discretion of the accredited asbestos inspector.

#### 3.3.3 <u>Miscellaneous Materials (MM)</u>

Miscellaneous materials consist of interior and exterior building components and are typically located on structural components, structural members, or fixtures, such as floor and ceiling tiles and roofing materials. Sampling of these materials will be by delineation of homogeneous areas and functional spaces. Based on the quantities of the materials identified, samples of the suspect materials will be collected by the accredited asbestos inspector in a manner sufficient to determine its asbestos content.

Suspect and confirmed ACMs identified and any obvious potential health concerns associated with these materials, such as damage or friability, are presented in the Bulk Sample Material Inventory that is provided for review in Appendix A.

#### 3.4 LABORATORY ANALYTICAL PROCEDURES

All samples collected were submitted to and analyzed by Apex Research of Whitmore Lake, Michigan. Apex Research is accredited by the American Industrial Hygiene Association (AIHA) and participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Chain-of-custody guidelines were followed to ensure proper handling and delivery of the samples. The samples were analyzed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the following USEPA guidance document titled: Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, and dated July, 1993.

The USEPA defines ACM as those materials that contain greater than one percent asbestos. Friable materials are defined as those that can be crumbled or reduced to powder by hand pressure. The National Emission Standards for Hazardous Air Pollutants (NESHAP) for asbestos, dated November 1990 stipulates that any friable material identified as containing asbestos in concentrations greater than one percent must be considered ACM.

Percentages and types of fibrous components in these samples were determined by visual estimation of the amount of fibrous materials versus the total amount of material present. The Occupational Safety and Health Administration (OSHA) definition of ACM is any material containing more than one (1) percent asbestos. Materials containing one (1) percent or less asbestos are considered non-asbestos containing.

AKT Peerless utilized the "positive-stop" method of sample analysis. In this method, analysis is stopped on a group of samples once the first positive (e.g., greater than 1% asbestos) sample is analyzed. According to the USEPA, if one sample of a homogenous material is identified to be asbestos containing, the entire material must be considered asbestos containing.



Based on appearances and type of materials, suspect ACMs were grouped into homogeneous areas (HA) and functional spaces (FS) as appropriate. Upon completion of these activities, representative bulk samples of the suspect materials were collected. For example, ceiling tile located in different functional spaces found to be uniform in texture and color and appeared similar in every other respect. This material was considered one homogenous area and was sampled accordingly.

Based on the homogeneous and functional areas identified during the survey, AKT Peerless collected bulk samples for analysis. Samples were collected in polyethylene containers and labeled with an identification number. In general, AKT Peerless' sampling protocol consisted of: (a) extracting a sample with a clean knife or chisel and (b) placing the sample into its properly labeled sample container.

Asbestos containing materials are summarized in Section 5.1 and the Bulk Sample Material Inventory in Appendix A.

Copies of laboratory datasheets and Chain of Custody documents for the bulk suspect ACMs are presented in Appendix B.

#### 4.0 SURVEY FOR OTHER POTENTIALLY HAZARDOUS MATERIALS

AKT Peerless conducted an inspection of the facility to identify the existence of other potentially hazardous materials that may exist within containers such as drums, basins, tanks and in general storage areas. A description of the survey procedures used as part of this survey and its findings, are provided in the following section of this report.

#### 4.1 OTHER HAZARDOUS MATERIALS INSPECTION PROCEDURES

AKT Peerless conducted an inspection of the building to identify the existence of potentially hazardous materials and/or wastes that may require removal and disposal, or other special consideration, before the building demolition occurs.

As part of the survey, no intrusive investigation or use of remote sensing equipment was used and no sampling of other hazardous materials was performed.

The survey was conducted to identify universal hazardous wastes or regulated materials/wastes. The building was inspected for potential hazardous materials such as PCB-containing light ballasts, batteries, chlorofluorocarbon-containing equipment, smoke detectors, exit signs, and mercury light tubes and switches. The survey of lighting/alarm systems comprised a visual inspection of the exterior of accessible emergency, light and exit sign fixtures, panels or components for possible PCB-containing ballast systems, mercury vapor lighting fixtures, batteries or other hazardous materials. If present, significant areas of oil-staining were also noted. No intrusive examination or contact with manufacturers, sample collection, or testing of this equipment was performed. The potential for PCB-content of the ballasts was determined based on the apparent age of the reflective ceiling or representative checks of light fixtures. With the exception of oil from the two elevator hydraulic reservoir, described below, no sampling of any hazardous component materials was performed.



Due to metal theft activities, nearly all on-site chlorofluorocarbon-containing equipment, including air conditioners and refrigerators, appears to have the compressor units and coils removed. Based on site observations (including apparent lack of chlorofluorocarbon content) the units subject to metal theft were not inventoried or otherwise noted in this report.

An inventory of hazardous materials and containers was prepared and is included in Appendix C.

#### 4.2 ELEVATOR HYDRAULIC OIL PCB TEST RESULTS

AKT Peerless collected samples of oil present within the two elevator hydraulic oil reservoirs located within the subject building. The elevators were identified as "central elevator" and "south elevator." The location of the elevator hydraulics is shown on Figure 2. Both samples were submitted for laboratory analysis for polychlorinated biphenyls (PCBs). Laboratory analytical results did not detect PCBs within either sample. A copy of the laboratory analytical report is included in Appendix D.

Note that no access was available to enter the elevator shafts. AKT Peerless performed a limited visual evaluation through a gap in the door, and observed standing water within both elevator shafts.

#### 4.3 LEAD AND CADMIUM BASED PAINT TESTING

AKT Peerless did not conduct testing of painted surfaces for the presence of lead or cadmium based paints. Painted surfaces throughout the structure should be assumed lead or cadmium-based unless further testing is performed and determined to be non-lead or cadmium based paint. Disturbance of lead or cadmium painted surfaces or cleanup of damaged/ deteriorated paint coatings should only be conducted by properly trained personnel using equipment and methods designed for use on lead or cadmium based paint.

#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

AKT Peerless was retained to conduct an Asbestos and Hazardous Materials Survey of the "Former Ramada Inn," located at, 4300 West Pierson Road, Flint, Michigan. The purpose of the survey was to identify the location of ACMs and other hazardous materials that will require special handling procedures or removal activities before the conduct of general building demolition activities. The following sections of this report summarize the findings of the survey.

#### 5.1 SUMMARY OF IDENTIFIED ASBESTOS CONTAINING MATERIALS

During the preparation of the Asbestos Survey, AKT Peerless identified 118 homogenous areas of suspect ACM in the building. Based on the materials observed, samples of suspect ACM were collected for laboratory analysis. Materials not sampled were assumed to be asbestos containing. Based on the results of the asbestos survey, AKT Peerless identified the following ACMs:



Description of ACM	HA No.	ACM Location and Functional Space (Refer to Attach Maps and Tables)	Approximate Quantity
9"x9" Floor tile – tan (tile only)	HA-15	FS-7 Storage East Room	112 Square Feet
Sheet Linoleum – white, small stone pattern, on concrete	HA-28	FS-9 Between Bar & Kitchen	120 Square Feet
Mudded elbows, T's, and hangers, on ~1" pipes with fiberglass straight run insulation	HA-32	FS-9	4 Units
White cloth damper material, on air handling units above ceiling	HA-33	FS-7, FS-9, FS-11	3 Units
Electrical Panels, internal components and backer board	HA-40	FS-10	6 Units
(Assumed ACM)	11/1-40	FS-14	7 Units
Mudded elbows, T's, and hangers on ~2"-3" pipes with fiberglass straight run insulation	HA-41	Throughout ground floor, FS-4 through FS-11	60 Units
White ceiling tile – 2'x2' smooth with pinholes, fluffy interior	HA-45	FS-11 Safe Room	56 Square Feet
Window caulk for 2'x4' fixed windows	HA-49	FS-11 North Exterior Wall	17 Windows
Window caulk rubbery, 18" x 4' operable window	HA-50	FS-11 North Exterior Wall	2 Windows
Mudded Roof Drain	HA-53	Throughout ground floor, FS-4 through FS-11	4 Units
Mudded elbows, T's, and Hangers, on 4" to 8" pipes with fiberglass straight run insulation	HA-54	Throughout ground floor, FS-4 through FS-11	26 Units
Boiler unit, unknown internal components, gaskets, etc. (Assumed ACM)	НА-67	FS-14	Not Estimated
Fire brick in boiler	HA-68	FS-14	144 Square Feet
Textured ceiling paint, white, thin texture, throughout southern portion of hotel, hallway and rooms.	HA-69	Throughout southern portion of hotel	28,544 Square Feet
Textured ceiling paint - thick texture, northern portion (addition) of hotel	HA-72	Northern portion (addition) of hotel	20,060 Square Feet



Description of ACM	HA No.	ACM Location and Functional Space (Refer to Attach Maps and Tables)	Approximate Quantity
Roofing materials, including tar, flashing, and sealant materials (Assumed ACM)	HA-78	Entire Structure	Not Estimated
White textured paint on walls and ceiling, on concrete, in southwest, central stairwell, and storage room next to central stairwell	HA-82	Central and Southwest Stairwell and Storage Room next to Central Stairwell in hotel	5,830 Square Feet
9"x9" Floor tile, brown/tan with black mastic on concrete	HA-85	FS-14 Laundry & Men's room  Hotel, ground floor bathrooms and storage room by pool	120 Square Feet
12"x12" Pink floor tile, with mastic, on concrete	HA-86	FS-14 Women's Room	12 Square Feet
12"x12" White floor tile, with mastic, on concrete, Same mastic as HA-86	HA-87	FS-14, Women's Room	12 Square Feet
Mudded elbows, ~ 1" piping, bathrooms, piping all appears to be tore out and placed on floor within room area, most elbows destroyed, crushed, or missing	HA-90	Hotel, Southern Portion	82 Elbows 1 Elbow/debris on floor in every other room, southern portion of hotel
Roof Drains, only observed from roof exterior (Assumed ACM)	HA-92	Hotel, Roof/5th Floor	5 Units

Based on the findings of the site review and sampling, AKT Peerless recommends the following:

- 1. If the building is scheduled for demolition, all friable and other regulated ACM must be removed in advance of the demolition by a licensed contractor. Identified materials include, but are not limited to:
  - Sheet Linoleum (HA-28)
  - Mudded Elbows, Ts, and Hangers on Pipes (HA-32, HA-41, HA-54, HA-90)
  - White Cloth Damper Material (HA-33)
  - Ceiling Tile (HA-45)
  - Window Caulk (HA-49, HA-50)
  - Roof Drains (HA-53, HA-92)
  - Fire Brick in Boiler (HA-68)
  - Textured Paint Throughout Hotel (HA-69, HA-72, HA-82)



- 2. AKT Peerless recommends that units with un-assessed internal components, including the Boiler Unit (HA-67) be evaluated during demolition for the presence of suspect materials. Suspect materials may be tested for asbestos content or assumed to be asbestos containing and removed by a licensed abatement contractor.
- 3. Non-friable roofing, tar, and tar based coatings on the buildings do not require removal ahead of demolition unless building materials will be recycled or made friable by the demolition activities. This includes roofing materials, tar, flashing, and sealants (HA-82). Note that these materials were assumed to contain asbestos. Suspect materials may be tested for asbestos content or assumed to be asbestos containing and handled appropriately during the demolition activities.
- 4. If demolition activities will make the material friable or recycling is planned, the identified electrical panels (HA-40) must be removed prior to demolition.
- 5. AKT Peerless identified asbestos containing floor tile and associated mastics in the subject building. In general, these materials were classified as damaged but non-friable. Non-friable floor tiles (HA-15, HA-85, HA-86, HA-87) are recommended for removal ahead of demolition if substrate materials (concrete) will be recycled. The floor tiles and mastic are required to be abated if the material will be made friable during demolition activities.

### 5.2 SUMMARY OF IDENTIFIED OTHER POTENTIALLY HAZARDOUS MATERIALS

During the Hazardous Material Survey, AKT Peerless observed the existence of various types of potentially hazardous materials in the building. In general, these materials were stored in 100-gallon or smaller containers of various capacities. An inventory of hazardous building materials and containers was prepared and is included in Appendix C.

AKT Peerless recommends that qualified contractors perform the removal of these materials and follow appropriate special handling and disposal measures, which are required before general building demolition. Based on the conditions observed, it is recommended that unknown waste materials be sampled and appropriately characterized for waste disposal or recycling purposes.

AKT Peerless collected samples of the oil present within the elevator hydraulic oil reservoirs. Laboratory analysis did not detect the presence of PCBs within the oil.

Painted surfaces throughout the subject property are assumed to be lead and cadmium containing. Work activities should be conducted in accordance with 29 CFR Lead and Cadmium Construction Standards.

#### 6.0 LIMITATIONS

The information and opinions obtained in this report are for the exclusive use of the Genesee County Land Bank Authority. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without your written consent or as required by law or by a Court order. The information and opinions contained in the report are given in light of that assignment. The report must be



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Subject to the above and the terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages. Although AKT Peerless believes that results contained herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive or that the information provided by the Client, Property Owner, or third parties is complete or accurate.

Report prepared by:

Ryan T. Londrigan, CHMM

Project Manager

AKT PEERLESS ENVIRONMENTAL SERVICES

MIOSHA CSHD Asbestos Inspector Accreditation No. A25728

Report reviewed by:

mes C. Fox, RPIH

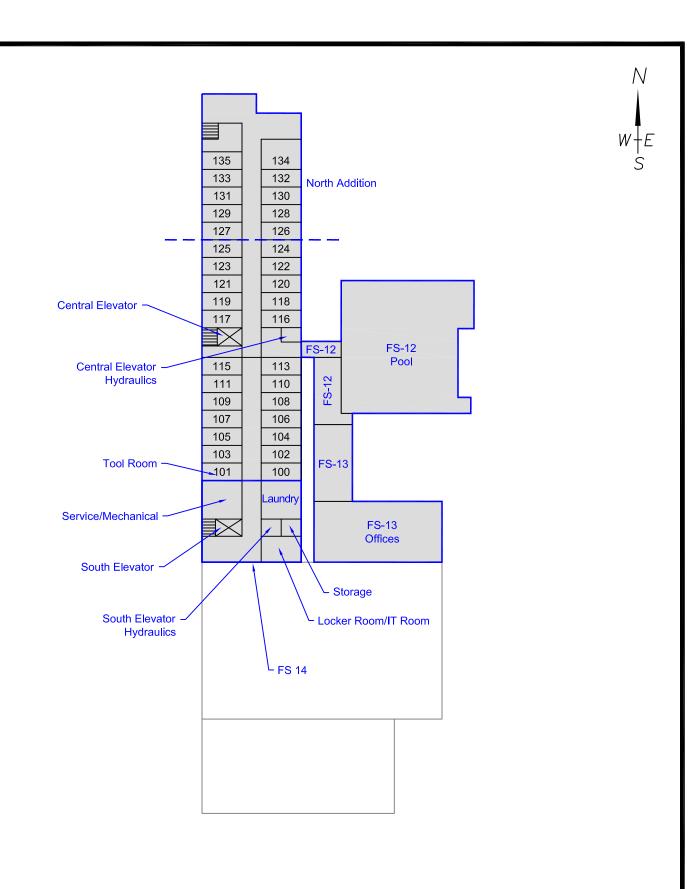
Senior Project Manager

**AKT PEERLESS ENVIRONMENTAL SERVICES** 

MIOSHA CSHD Asbestos Inspector/Designer Accreditation No. A3152

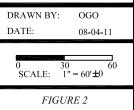


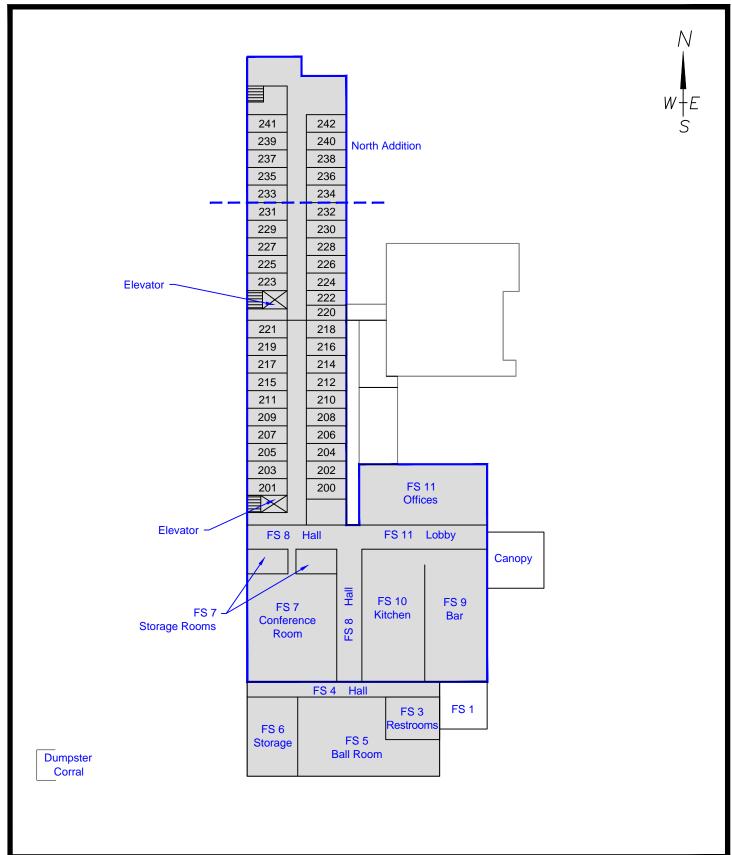






FUNCTIONAL SPACE MAP-1ST FLOOR

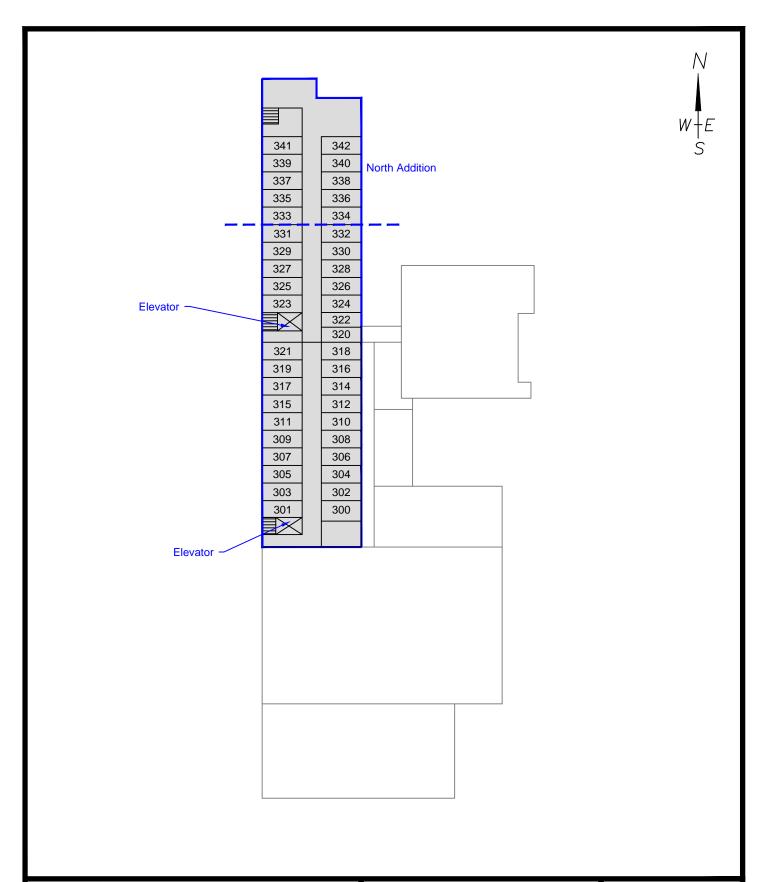






FUNCTIONAL SPACE MAP-2ND FLOOR & BAR/CONFERENCE AREA

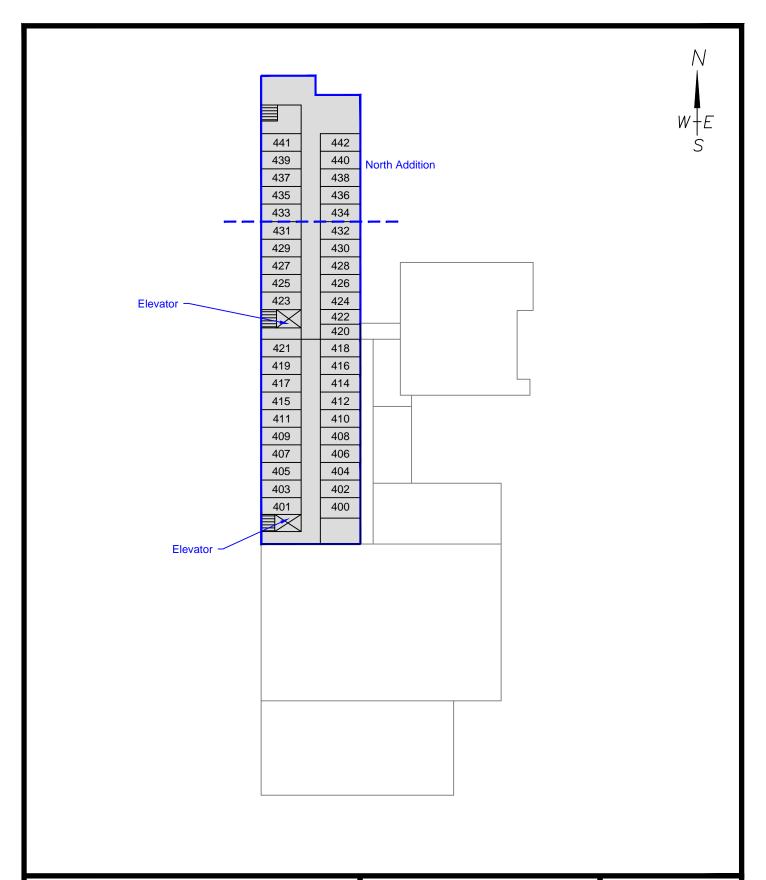
DRAWN BY:	OGO	
DATE:	08-04-11	
0 30 SCALE: 1'		
FIGURE 3		





FUNCTIONAL SPACE MAP-3RD FLOOR

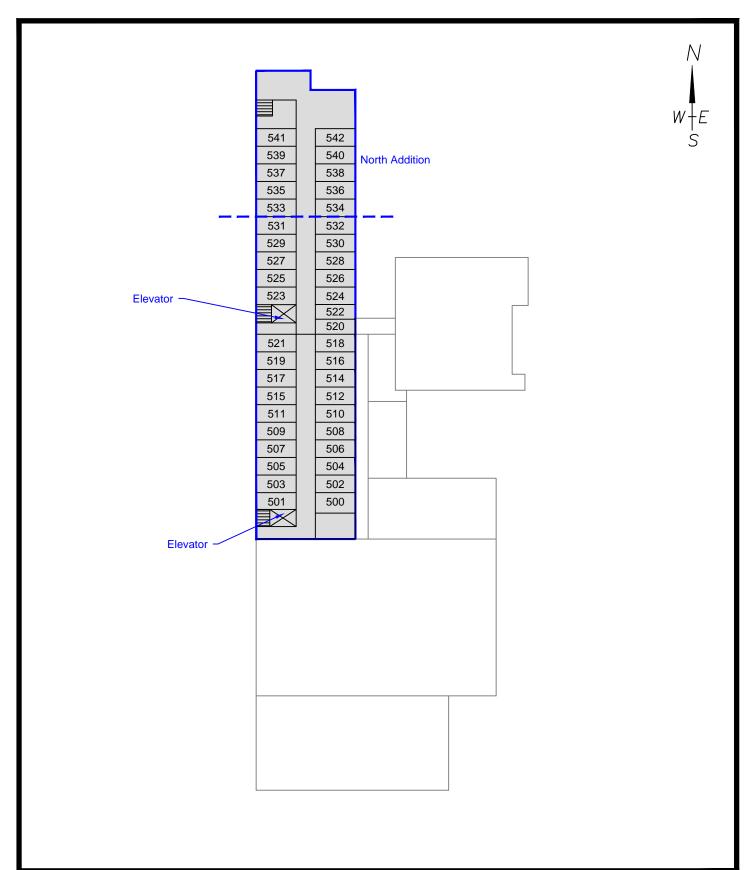
DRAWN BY:	OGO
DATE:	08-04-11
0 30 SCALE: 1'	
FIGURE 4	





FUNCTIONAL SPACE MAP-4TH FLOOR

DRAWN BY:	OGO
DATE:	08-04-11
0 30 SCALE: 1'	
FIGURE 5	





FUNCTIONAL SPACE MAP-5TH FLOOR

DRAWN BY:	OGO
DATE:	08-04-11
0 30 SCALE: 1'	60 ' = 60'±0
FIGURE 6	

AF FUNCTIONAL SPACE AND BULK S	PPENDIX A	AL INVENTORY TARLES
TONOTHE STREET IN DELIN		LIVERTORT INDLES



#### **FUNCTIONAL SPACE LISTING**

CLIENT: GCLBA

PROJECT NO: 7168s

PROJECT NAME: Former Ramanda Inn and Suites,

4300 West Pierson Road, Flint, Michigan

Functional Space No.	Description
1	Open block storage area, unfinished southeast portion of the building
2	Exterior of the building
3	Bathrooms - mens and womens, next to ballroom/restaurant
4	Hallway outside ballroom between kitchen and restaurant
5	Large Ballroom, south end of building
6	Storage room west of ballroom
7	Conference room, west of kitchen
7 Storage	Storage rooms, north of confrence room
8	Hall outside of conference room between kitchen and confrence room
9	Bar/Restaurant
10	Kitchen
11	Office and lobby
12	Pool area, locker room, storage rooms, and open lounge near pool
13	Lower level offices between pool and hotel



#### **FUNCTIONAL SPACE LISTING**

CLIENT: GCLBA

PROJECT NO: 7168s

PROJECT NAME: Former Ramanda Inn and Suites,

4300 West Pierson Road, Flint, Michigan

Functional Space No.	Description
14	Hotel lower level, employee, service, mechanical areas
Hotel	Defined by common name of floors and rooms

#### **Notes**

NA= Not Applicable



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-1a	NAD				
TT A 1	Enterior Change	HA-1b	NAD	EG 2	NIE	Non friehle	Card Fair
HA-1	Exterior Stucco	HA-1c	NAD	FS-2	NE	Non-inable	Good-Fair
		HA-1d	NAD				
		HA-2a	NAD				
HA-2	Plaster/Drywall Material Gray	HA-2b	NAD	FS-1	< 60SF	Non-friable	Damaged
		HA-2c	NAD			Non-friable	
114.2	Tan Glue behind plaster on	HA-3a	NAD	F0.1	25.1.5	N. C' 11	G 1
HA-3	concrete, SE Doorway	HA-3b	NAD	FS-1	~25 LF	Non-friable	Good
		HA-5a	NAD				
HA-5	Drywall materials	HA-5b	NAD	FS-3, FS-4, FS-5	NE	Non-friable	Damaged
		HA-5c	NAD			Non-friable  Non-friable	



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-6a	NAD				
HA-6	2x2' White ceiling tile, gray interior, pinholes and squiggly	HA-6b	NAD	FS-3, FS-4, FS-5	NE	Friable	Damaged
		НА-6с	NAD				
		HA-7a	NAD				
HA-7	Ceramic tile grout - Gray, bathroom walls	HA-7b	NAD	FS-3	NE	Non-friable	Damaged
		HA-7c	NAD				
		HA-8a	NAD				
HA-8	2x4' White drywall ceiling tile	HA-8b	NAD	FS-6	NE	Non-friable	Damaged
		HA-8c	NAD				
		HA-9a	NAD				
HA-9	2x2' White ceiling tile, bumpy acoustic, gray interior	HA-9b	NAD	FS-7, FS-11	NE	Friable	Damaged
		НА-9с	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition		
	Exterior wall layer betweeen HA-10 exterior Stucco and interior	HA-10a	NAD						
HA-10		HA-10b	NAD	FS-6, and Unk	NE	Non-friable	Damaged- Good		
	drywall	HA-10c	NAD						
HA-11	Drywall materials - White, west wall	HA-11a	NAD	HS-6	NE	Non-friable	Damaged		
		HA-12a	NAD						
HA-12	2x2' White ceiling tile, smooth, pinholes and squiggly	HA-12b	NAD	FS-7, FS-8, FS-7 Storage	NE	Friable	Damaged		
		HA-12c	NAD						
		HA-13a	NAD						
HA-13	Drywall materials	HA-13b	NAD	FS-7, FS-8, FS-7 Storage	NE	Non-friable	Damaged		
		HA-13c	NAD						
		HA-14a	NAD						
HA-14	Carpet glue on concrete, yellow	HA14b	NAD	FS-7	NE	Non-friable	Damaged		
		HA-14c	NAD						



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-15a Tile	Chrysotile 7%			F Non-friable	
		HA-15a Mastic	NAD				
HA-15	9x9'' Floor tile - Tan	HA-15b Tile	Not analyzed	FS 7 Storage east room	112 SF		Domogod
HA-15	9x9 Floor the - Tan	HA-15b Mastic	NAD	FS-7 Storage, east room	112 SF		Damaged
		HA-15c Tile	Not analyzed				
		HA-15c Mastic	NAD				
		HA-16a Tile	NAD				
		HA-16a Mastic	NAD				
HA-16	12x12" Floor tile - Gray	HA-16b Tile	NAD	FS-7 Storage, west room	112 SF	Non friable	Damaged
HA-10	12x12 Floor the - Gray	HA-16b Mastic	NAD	rs-7 storage, west room	112 36	Non-madie	Damaged
		HA-16c Tile	NAD				
		HA-16c Mastic	NAD			Non-friable  Non-friable	



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-17a Cove Base	NAD				
HA-17	Cove base, gray with glue	HA-17a Adhesive	Chrysotile <1%	FS-7 Storage, east room	6 LF	Non-friable	Damaged
		HA-17a Adhesive	Chrysotile 1.0 % Point Count				
HA-18	Cove has a heaven with alve	HA-18a Cove Base	NAD	ES 7 Stomage west magn	NIC	Non-friable	Damaged
ПА-10	Cove base, brown with glue	HA-18a Adhesive	NAD	FS-7 Storage, west room	NE		
		HA-19a	NAD				
HA-19	White paper over foil outside of fiberglass pipe wrap	HA-19b	NAD	FS-7 Storage & various	NE	Friable	Good
		HA-19c	NAD			Non-friable  Non-friable	
		HA-20a	NAD				
HA-20	Black tar paper pipe wrap on outside of pipes	HA-20b	NAD	FS-7 Storage & various	NE	Non-friable	Damaged
		HA-20c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-21a Tile	NAD				
		HA-21 Mastic	NAD				
HA-21	12-12" Floor tile Tor	HA-21b Tile	NAD	EC 0 West and burning	110 SF	Non friehle	Damasad
HA-21	12x12" Floor tile - Tan	HA-21b Mastic	NAD	FS-8, West end by exit	110 SF	F Non-friable	Damaged
		HA-21c Tile	NAD				
		HA-21c Mastic	NAD				
		HA-22a	NAD	FS-8	NE		Good
HA-22	Glue, tan, on bottom of gray carpet foam	HA-22b	NAD			Non-friable	
	•	HA-22c	NAD				
HA-23	Carra Dana Diada midi alua	HA-23a Tile	NAD	FS-1	I I a l	Non-friable	Damasad
HA-23	Cove Base, Black with glue	HA-23a Adhesive	NAD	FS-1	Unknown	Non-iriable	Damaged
		HA-24a	NAD	FS-9			
HA-24	2x2' Ceiling tile - Painted black	HA-24b	NAD		NE	Friable	Damaged
		HA-24c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-25a Joint Compound	NAD				
		HA-25a Drywall	NAD				
HA-25	Drywall materials	HA-25b joint compound	NAD	FS-9	NE	Non-friable	Damaged
1111 23	Dij wan materials	HA-25b drywall	NAD	10 /	112	T (on made	Bunnaged
		HA-25c joint compound	NAD				
		HA-25c drywall	NAD				
		HA-26a	NAD			Non-friable	
HA-26	Carpet glue - White and tan layer, on concrete	HA-26b	NAD	FS-9	NE		Damaged
		HA-26c	NAD				
HA-27	Cove base, black, with brown	HA-27a Cove Base	NAD	FS-9	NE	Non friable	Damagad
ΠA-21	glue	HA-27a Adhesive	NAD	F3-9	NE	Non-friable	Damaged
		HA-28a	Chrysotile 20%	FS-9			
HA-28	Sheet linoleum - White small stone pattern, on concrete	HA-28b	Not analyzed	Between bar and kitchen	120 SF	Non-friable	Damaged
		HA-28c	Not analyzed	Kitchen			



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-29a Tile	NAD				
		HA-29a Mastic	NAD				
114.20	10 10 5 17	HA-29b Tile	NAD	FS-9	104 GE	Non-friable	Б
HA-29	12x12" Floor tile - Off white	HA-29b Mastic	NAD	Between bar and kitchen	184 SF		Damaged
		HA-29c Tile	NAD	AD			
		HA-29c Mastic	NAD				
		HA-30a	NAD				
HA-30	Red Sheet Linoleum - Fake stone pattern	HA-30b	NAD	FS-9 Between bar and kitchen	120 SF	Non-friable	Damaged
	•	HA-30c	NAD				
		HA-31a	NAD				
HA-31	Roof sandwhich insulation material, soft, gray	HA-31b	NAD	FS-9 and Unk	NE	Friable	Damaged
		HA-31c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
	Mudded elbows, T's, and	HA-32a	Chrysotile 4%				
HA-32	hangers, on ~1" pipes w/ fiberglass straight run	HA-32a	Chrysotile 1.5% Point Count	FS-9	4 units	Friable	Damaged
	insulation	HA-32b	N/A				
НА-33	White vibration cloth material, on air handling units above ceiling	HA-33a	Chrysotile 80%	FS-7, FS-9, FS-11	3 Units	Non-friable	Damaged
	White glue behind paneling behind bar	HA-34a	NAD	FS-9	NE	Non-friable	Damaged
HA-34		HA-34b	NAD				
		HA-34c	NAD				
		HA-35a	NAD				
HA-35	Brown glue behind wall panels in kitchen	HA-35b	NAD	FS-10	NE	Non-friable	Damaged
		HA-35c	NAD			Non-friable	
		HA-36a	NAD				
HA-36	Glue/mud, tan, behind white tile on kitchen walls	HA-36b	NAD	FS-10	NE	Non-friable	Damaged
		HA-36c	NAD			Friable  Non-friable  Non-friable	



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-37a	NAD				
HA-37	White/burnt black 2x2 ceiling tile, drywall material	HA-37b	NAD	FS-10	NE	Non-friable	Damaged
		HA-37c	NAD				
		HA-38a Tile	NAD	FS-10			
	HA-38 White/off-white 12" floor tile	HA-38a Mastic	NAD			Non-friable	
114.20		HA-38b Tile	NAD		296 SF		Daniel
ПА-38		HA-38b Mastic	NAD		290 SF	Non-iriable	Damaged
		HA-38c Tile	NAD				
		HA-38c Mastic	NAD				
		HA-39a	NAD				
HA-39	Drywall/wallboard material, behind paneling & tile	HA-39b	NAD	FS-10	NE	Non-friable	Damaged
		HA-39c	NAD				
HA-40	Electrical Panels, internal	Not Sampled	Assumed	FS-10	6 Units	- Non-friable	Good
11/3-70	components and backer board	Not Sampleu	Assumed	FS-14	7 Units	Non-friable	Good



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
	Mudded elbows, T's, and	HA-41a	Chrysotile 5%	Throughout ground floor, FS-4 through FS- 11		Friable	
HA-41	hangers on ~2"-3" pipes with fiberglass straight run	HA-41b	Not analyzed		60 units		Damaged
	insulation	HA-41c	Not analyzed				
		HA-42a Joint Compound	NAD				
	Drywall materials	HA-42a Drywall	NAD	FS-11			
HA-42		HA-42b Joint Compound	NAD		NE	Non-friable	Damaged
111 12		HA-42b Drywall	NAD			100 1100	Dumagea
		HA-42c Joint Compound	NAD				
		HA-42c Drywall	NAD				
		HA-43a	NAD				
HA-43	2x4' White ceiling tile	HA-43b	NAD	FS-11	840 SF	Friable	Damaged
		HA-43c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
	HA-44 Sheet linoleum - White with paper back, tan glue	HA-44a	NAD	FS-11	NE	Non-friable	
HA-44		HA-44b	NAD				Damaged
		HA-44c	NAD				
		HA-45a	Chrysotile 4%				
	2'x2' White ceiling tile - Smooth with pinholes, fluffy	HA-45a	Chrysotile 1.5% Amosite 1.0% Point Count				
HA-45		HA-45b	Not analyzed	FS-11	56 SF	Friable	Damaged
	interior	HA-45b	N/A Point Count	Safe Room			
		HA-45c	Not analyzed				
		НА-45с	N/A Point Count				
		HA-46a	NAD			Non-friable	
HA-46	Brown/tan glue behind paneling	HA-46b	NAD	FS-11	NE		Good
		HA-46c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
	Insulation inside steel safe - White fibrous interior	HA-47a	NAD	FS-11 Safe Room	~3'x4' Safe Unit	Friable	
HA-47		HA-47b	NAD				Damaged
		HA-47c	NAD				
		HA-48a	NAD				
HA-48	2x2' Ceiling tile - White outer layer and fiberglass	HA-48b	NAD	FS-11	352 SF	Friable	Damaged
		HA-48c	NAD				
	Window caulk for 2x4' fixed	HA-49a	Chrysotile 6%	FS-11 North Exterior Wall			
HA-49		HA-49a	Chrysotile 5.5% Point Count		17 Windows	Non-friable	Damaged
11A-43	windows	HA-49b	Not analyzed		17 Windows	Non-mable	Damageu
		НА-49с	Not analyzed				
		HA-50a	Chrysotile 5%				
HA-50	Window caulk 18" x 4'	HA-50a	Chrysotile 3.75% Point Count	FS-11	2 Windows	Non frieble	Good
na-su	operable window, rubbery	HA-50b	Not analyzed	North Exterior Wall	2 Willdows	Non-friable	Good
		HA-50c	Not analyzed				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
HA-51	Cove base, brown with white	HA-51a Cove Base	NAD	FS-11	NE	Non-friable	Domogod
пА-31	glue	HA-51a Adhesive	NAD	FS-11	NE	Non-madie	Damaged
		HA-52a	NAD				
HA-52	Textured paint on drywall	HA-52b	No sample	FS-11 Vending Area	NE	Non-friable	Damaged
		HA-52c	NAD	j			
HA-53	Mudded roof drain	HA-53a	Chrysotile 4%, Amosite 1%	Throughout ground floor, FS-4 through FS-	4 units	Edable	Damaged
ПА-55	Mudded roof drain	HA-53b	Not analyzed	11		Friable	Damaged
HA-54	Mudded elbows, T's, and Hangers, on 4" to 8" pipes	HA-54a	Chrysotile 3%	Throughout ground	26 Units	Friable	Good
ПА-54	with fiberglass straight run insulation	HA-54b	Not analyzed	floor, FS-4 through FS- 11	20 Units	Friable	Good
		HA-55a Joint Compound	NAD				
		HA-55a Drywall	NAD				
HA-55	Drywall materials	HA-55b	NAD	FS-12	NE	Non-friable	Damaged
		HA-55c Joint Compound	NAD				
		HA-55c Drywall	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-56a	NAD				
HA-56	2'x4' Ceiling tile - White, pin holes and fissures	HA-56b	NAD	FS-12 Locker and storage rooms	NE	Friable	Damaged
		HA-56c	NAD				
		HA-57a	NAD				
HA-57	HA-57 Tan glue pods in back of mirror	HA-57b	NAD	FS-12 Locker rooms	NE	Non-friable	Damaged
		HA-57c	NAD				
HA-58	Constant Constant	HA58a Cove Base	NAD	FS-12	NE	Non-friable	Domand
HA-38	Cove base - Gray with glue	HA-58a Adhesive	NAD	Locker rooms	NE		Damaged
		HA-59a	NAD				
HA-59	Brown glue behind paneling	HA-59b	NAD	FS-12 Pool area	NE	Non-friable	Damaged
		HA-59c	NAD				
		HA-60a	NAD				
HA-60	2'x2' Ceiling tile - White, smooth with indents	HA-60b	NAD	FS-13	NE	Friable	Damaged
		HA-60c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-61a	NAD				
HA-61	Drywall materials	HA-61b	NAD	FS-13 East end	NE	Non-friable	Damaged
		HA-61c	NAD				
	Caulking around 3'x4' window frames on wood, brick, steel	HA-62a	NAD	FS-13	7 Windows ~84 LF	Non-friable	
HA-62		HA-62b	NAD				Damaged
		HA-62c	NAD				
		HA-63a	NAD	FS-13	NE	Non-friable	
HA-63	Glue material on concrete - Black/yellow, under carpet	HA-63b	NAD				Damaged
		HA-63c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-64a Tile	NAD				
		HA-64a Mastic	NAD				
114 64	12 12   5   5   5   5   5   5   5   5   5	HA-64b Tile	NAD	FS-13	24.85	N C 1.1.	D1
HA-64	12x12" Floor tile - White	HA-64b Mastic	NAD	Bathroom	24 SF	Non-friable	Damaged
		HA-64c Tile	NAD				
		HA-64c Mastic	NAD				
		HA-65a Fiber Board	NAD				
		HA-65a Brown Glue	NAD				
114.65	Brown glue behind panels in	HA-65b Fiber Board	NAD	FS-13	NE	N C 1.1.	D1
HA-65	bathroom	HA-65b Brown Glue	NAD	Bathroom	NE	Non-friable	Damaged
		HA-65c Fiber Board	NAD				
		HA-65c Brown Glue	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-66a	NAD				
HA-66	Brown glue behind panels/wallboard, northend	HA-66b	NAD	FS-13	NE	Non-friable	Damaged
	panets manocard, northerid	HA-66c	NAD				
HA-67	Boiler unit, unknown internal components, gaskets, etc.	Not Sampled	Assumed	FS-14	NE	Unknown	Good
		HA-68a	Chrysotile 4%				
HA-68	Fire brick in boiler	HA-68b	Not analyzed	FS-14	144 SF	Non-friable	Damaged
		HA-68c	Not analyzed				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-69a	Chrysotile < 1%	Rm 230			
		HA-69a	Chrysotile 1.0% Point Count	Rm 230			
		HA-69b	Chrysotile < 1%	Rm 330			
		HA-69b	Chrysotile 0.25% Point Count	Rm 330			
		HA-69c	Chrysotile < 1%	Rm 501			
	НА-69с	Chrysotile 0.25% Point Count	Rm 501				
	Textured ceiling paint, white, thin texture, throughout	HA-69d	Chrysotile < 1%	Hall by Rm 529	28,544	Non-friable	
HA-69	southern portion of hotel, hallwall and rooms	HA-69d	Chrysotile 0.75% Point Count	Hall by Rm 529			Damaged
		HA-69e	Chrysotile < 1%	Hall by Rm 212			
		HA-69e	Chrysotile 0.75% Point Count	Hall by Rm 212			
		HA-69f	Chrysotile 0.25% Point Count	Rm 101			
	HA-69g	Chrysotile 0.25% Point Count	Rm 104				
	HA-69h	Chrysotile Trace Point Count	Rm 121				
		HA-69i	Chrysotile 0.25% Point Count	2nd Fl. south elevator hall			



CLIENT: GCLBA
PROJECT NO: 7168s

***	Material Description			35 / 137 /	Approx.	F . 1	G 1144
HA No.		Sample Number	<b>Asbestos Content</b>	Material Location	Quantity	Friability	Condition
		НА-69ј	Chrysotile 0.50%	Rm 202			
			Point Count Chrysotile 0.25%				
		HA-69k	Point Count	Rm 215			
		HA-691	Chrysotile Trace	Rm 322			
		111 071	Point Count				
		HA-69m	Chrysotile 1.25%	Rm 332			
		11A-07III	Point Count	Kiii 552			
	Textured ceiling paint, white, thin texture, throughout	HA-69n	Chrysotile 0.25%	Hall by Rm 329			
		11A-07II	<b>Point Count</b>	Hall by Kill 327			
HA-69		HA-69o	N/A	Rm 420 28,544	Non-friable	damaged	
11A-07	southern portion of hotel,	11A-050	<b>Point Count</b>	Kiii 420	20,344	Non-mable	uamageu
	hallwall and rooms	ША 60m	N/A	Rm 424			
		HA-69p	Point Count	KIII 424			
		HA-69q	N/A	Rm 431			
		11A-07q	Point Count	Kiii 431			
		HA-69r	N/A	Hall by Rm 522			
		11A-031	Point Count	Hall by Kill 322			
		HA-60c	N/A	Rm 519			
		HA-69s	Point Count	Km 519			
		HA-69t	N/A	Rm 503			
		11A-U7t	<b>Point Count</b>	KIII SUS			



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-70a	NAD				
		HA-70b Joint Compound	Chrysotile < 1%				
		HA-70b Joint	Chrysotile 0.25%				
		Compound	Point Count				
HA-70	Drywall materials, north and	HA-70c Joint	Chrysotile < 1%	Hotel,	NE	Non-friable	Damaged
117-70	south portions of hotel	Compound		North and South Portions		Non-madic	Damaged
		HA-70c Joint	Chrysotile - Trace				
		Compound	Point Count				
		HA-70d Joint	Chrysotile < 1%				
		Compound	-				
		HA-70d Joint	Chrysotile - Trace				
		Compound	Point Count				
		HA-71a	NAD				
HA-71	Tile grout bathroom walls, south portion	HA-71b	NAD	Hotel, South Portion	NE	Non-friable	Damaged
	Portion	HA-71c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-72a, Rm 239	Chrysotile 3%				
		HA-72a, Rm 239	Chrysotile 1.25% Point Count				
		HA-72b, Rm 342	Not analyzed		20,060 SF	Non-friable	
		HA-72b, Rm 342	Chrysotile 2% Point Count	Northern portion (addition)			
	Textured ceiling paint - thick	HA-72c, Hall by Rm 537	Not analyzed				
HA-72	texture, northern portion (addition) of hotel	HA-72c, Hall by Rm 537	Chrysotile 2% Point Count				Damaged
		HA-72d, Hall by Rm 540	Not analyzed				
		HA-72d, Hall by	Chrysotile 2%				
		Rm 540	Point Count				
		HA-72e, Hall by 130	Not analyzed				
		HA-72e, Hall by 130	Chrysotile 3% Point Count				
		HA-73a Joint Compound	NAD				
*** 50	Drywall with skim coat, and tar	HA-73a Drywall	NAD	Hotel, northern portion			
HA-73	paper near bathtubs	HA-73b Vinyl Wall Covering	NAD	(addition)	NE	Non-friable	Damaged
		HA-73b Drywall	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
HA-74	Cove base, off-white, and tan	HA-74a Cove Base	NAD	Hotel, northern portion	NE	Non-friable	Damaged
ΠA-74	glue	HA-74a Adhesive	NAD	(addition)	NE	Non-made	Damaged
	Glue pods behind drywall on brick	HA-75a	NAD	Hotel, northern portion (addition)	NE		
HA-75		HA-75b	NAD			Non-friable	Damaged
		HA-75c	NAD				
HA-76		HA-76a Cove Base	NAD	Hotel, Southern portion	NE	Non-friable	Damaged
HA-/0	Cove base, brown, with tan glue	HA-76a Adhesive	NAD				
HA-77	Cove base, light brown, with tan	HA-77a Cove Base	NAD	Hotel,	NIE	Non frields	Damasad
пА-//	glue	HA-77a Adhesive	NAD	Southern portion	NE	Non-friable	Damaged
HA-78	Roofing materials, including membrane, tar, flashing, and sealant materials	No Sample	Assumed	Entire Structure	NE	Non-friable	Good
HA-79	Tan glue behind white foam exterior wall	HA-79a	NAD	Hotel, Southern portion	NE	Non-friable	Good



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-80a Tile	NAD				
		HA-80a Mastic	NAD				
HA-80	12'x12' White floor tile with	HA-80b Tile	NAD	Hotel outside south elevator, 3rd, 4th, and 5th floors	220 SE	Non friehle	Damagad
ΠA-60	flecks on concrete	HA-80b Mastic	NAD		220 SF	Non-friable	Damaged
		HA-80c Tile	NAD				
		HA-80c Mastic	NAD				
		HA-81a Tile	NAD	Hotel outside south	NE	Non-friable	Damaged
		HA-81a Mastic	NAD				
HA-81	12x12' Tan floor tile with flecks,	HA-81b Tile	NAD	elevator and in storage			
ПА-01	under carpet, black mastic, on concrete	HA-81b Mastic	NAD	room - 3rd floor and ground floor northwest entrance			
		HA-81 Tile	NAD				
		HA-81c Mastic	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-82a, 4th Floor	Chrysotile <1%				
		HA-82a, 4th Floor	Chrysotile - Trace Point Count				
		HA-82b, 3rd Floor	Chrysotile 2%	Hotel, southwest	5,830 SF	Non-friable	
		HA-82b, 3rd Floor	Chrysotile 1.0 % Point Count	stairwell			Damaged
		HA-82c, 3rd Floor	Not analyzed				
	White testing during an internal la	HA-82c, 3rd Floor	Chrysotile 0.25% Point Count				
HA-82	White textured paint on walls and ceiling, on concrete, in southwest, central stairwell,	HA-82d	Chrysotile 0.75% Point Count	2nd floor, center stairway, ceiling.			
	and storage room next to central stairwell	HA-82e	Chrysotile 0.75% Point Count	1st floor wall, central stairwell			
		HA-82f	Chrysotile 1.5% Point Count	5th floor wall, central stairwell			
		HA-82g	N/A Point Count	5th floor, ceiling, SW stairwell			
		HA-82h	N/A Point Count	4th floor ceiling, SW stairwell			
		HA-82i	N/A Point Count	1st floor, wall, SW stairwell			



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-83a Tile	NAD				
		HA-83a Mastic	NAD			Non-friable	
HA-83	12x12' Tan floor tile with flecks	HA-83b Tile	NAD	FS-14, Hall	NIE		Damasad
ПА-03	12x12 Tan floor the with flecks	HA-83b Mastic	NAD		NE		Damaged
		HA-83c Tile NAD					
		HA-83c Mastic	NAD				
		HA-84a Tile	NAD			Non-friable	
		HA-84a Mastic	NAD				
HA-84	12 12" Floor 4:1	HA-84a Tile	NAD	FS-14,	70 SE		Damasad
ПА-84	12 x12" Floor tile, off-white	HA-84b Mastic	NAD	Laundry Room	70 SF		Damaged
		HA-84c Tile	NAD				
		HA-84c Mastic	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
	9"x9" Floor tile, brown/tan with black mastic	HA-85a Tile	Chrysotile 2%	FS-14,			
114 05		HA-85a Mastic	Chrysotile 4%	Laundry & Mens room	120 SF	Non-friable	Domonod
HA-85		HA-85b	Not analyzed	Hotel, ground floor bathrooms and storage room by pool			Damaged
		HA-85c	Not analyzed				
		HA-86a Tile	NAD	FS-14,		Non-friable	
		HA-86a Mastic	Chrysotile 2%		12 SF		
HA-86	12x12" Pink floor tile, with	HA-86a Mastic	Chrysotile 2.5% Point Count				Damaged
11A-00	mastic, on concrete	HA-86a Tile	NAD	Womens Room			Damaged
		HA-86b Mastic	Not analyzed				
		HA-86b Mastic	Not analyzed Point Count				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-87a Tile	NAD				
		HA-87a Mastic	Chrysotile 2%		12 SF	Non-friable	
HA-87	12x12' White floor tile, with mastic, on concrete, Same	HA-87a Mastic	Chrysotile 0.5% Point Count	FS-14, Womens Room			Damaged
11A-07	mastic as HA-86	HA-87b Tile	NAD				Damageu
		HA-87b Mastic	Not analyzed				
		HA-87b Mastic	Chrysotile 0.25% Point Count				
		HA-88a	NAD	FS-14	NE	Friable	Damaged
HA-88	2x2 White ceiling tile	HA-88b	NAD				
		HA-88c	NAD				
	Brown glue behind paneling	HA-89a	NAD	Hotel, Room 222	NE	Non-friable	Damaged
HA-89		HA-89b	NAD				
		HA-89c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
		HA-90a	Chrysotile 6%				
	Mudded elbows, ~ 1" piping, bathrooms. Note: Insulation	HA-90-a	Chrysotile 6.25% Point Count		82 Elbows		Damaged
114.00	materials were improperly removed to access metal	HA-90b	Not analyzed	Hotel,	1 Elbow in every other room, southern portion, elbow/debris on floor in room	Friable	
HA-90	piping for piracy purposes. Most elbows were scattered on	HA-90b	Not analyzed Point Count	Southern portion			
	the floor, destroyed, crushed, or missing.	НА-90с	Not analyzed				
	or missing.	НА-90с	Not analyzed Point Count				
		HA-91a	NAD	FS-13	NE	Non-friable	Damaged
HA-91	Glue behind wood paneling on drywall	HA-91b	NAD				
		HA-91c	NAD				
HA-92	Roof Drains, only observed from roof exterior	Not Sampled	Assumed	Hotel, Roof/5th Floor	5 Units	Friable	Unknown
		HA-93a	NAD	FS-11, Hotel lobby above Registration Desk.		Friable	Damaged
HA-93	Ceiling Tile, 2'x2', white, textured w/pinholes	HA-93b	NAD		120 SF		
	•	HA-93c	NAD				



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
HA-94	Fire Hose, white cloth	HA-94a	NAD	Ground Floor	NE (4 + units)	Non-friable	Damaged
HA-95	Tile Bed Glue - Jacuzzi/Hot Tub, Pink Tile	HA-95a	NAD	All Floors	1,200 SF	Non-friable	Damaged
HA-96	Jacuzzi/Hot Tub, Pink Tile, Mortar, ceramic tile grout	HA-96a	NAD	All Floors	1,200 SF	Non-friable	Damaged
	Committee 4.11 and 4.11 and 9	HA-97a	NAD	Hotel Room Bathrooms, south end	2,870 SF	Non-friable	
HA-97	Ceramic tile grout, 1", tan & brown, hotel bathrooms, white grout, southern portion	HA-97b	NAD				Damaged
		HA-97c	NAD				
	Ceramic tile grout, 1"-2", tan & brown, hotel bathrooms northern	HA-98a	NAD	Hotel Room Bathrooms, north end		Non-friable	Damaged
HA-98		HA-98b	NAD		1,575 SF		
	portion, gray grout	HA-98c	NAD				
		HA-99a	NAD				
HA-99	Ceramic Tile Grout, 1"-2", dark brown & gray	HA-99b	NAD	2nd Floor Elevator Landing	160 SF	Non-friable	Damaged
	515 55 g.u.,	HA-99c	NAD				
HA-100	Ceramic tile grout, 12"x12" tile floor, gray grout	HA-100a	NAD	FS-11 Restrooms	1,100 SF	Non-friable	Damaged
HA-101	Ceramic tile grout, 12"x12" tile floor, white grout	HA-101a	NAD	FS-11 Restrooms	1,100 SF	Non-friable	Damaged



CLIENT: GCLBA
PROJECT NO: 7168s

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
HA-102	Ceramic tile grout kitchen walls, white/gray grout	HA-102a	NAD	Kitchen	1,500 SF	Non-friable	Damaged
HA-103	Glue bed, tan, beneath ceramic tile on kitchen walls	HA-103a	NAD	Kitchen	1,500 SF	Non-friable	Damaged
HA-104	Ceramic tile grout, 8" floor tile, tan, gray grout	HA-104a	NAD	West side entrance of kitchen	18 SF	Non-friable	Damaged
HA-105	Ceramic tile grout, red 6" floor tile, gray grout	HA-105a	NAD	Kitchen	3,000 SF	Non-friable	Damaged
HA-106	Ceramic tile grout, 12"x12", gray grout	HA-106a	NAD	FS-3, Bathroom	800 SF	Non-friable	Damaged
HA-107	Ceramic tile, gray 12" floor tile, gray grout	HA-107a	NAD	FS-7, Bar Area	480 SF	Non-friable	Damaged
HA-108	Ceramic floor tile, 12", yellow	HA-108a	NAD	FS-11, Lobby Floor	480 SF	Non-friable	Damaged
11A-100	bedding/grout	HA-108b	NAD		400 51		
HA-109	Ceramic wall tile grout, 12", white bedding	HA-109a	NAD	FS-11, Registration Desk/Lobby	120 SF	Non-friable	Damaged
HA-110	Ceramic floor tile grout, 12", pink & blue, gray grout	HA-110	NAD	FS-12	3200 SF	Non-friable	Damaged
HA-111	Ceramic tile grout, 12", lt. gray, gray grout	HA-111a	NAD	FS-12. north side	700 SF	Non-friable	Damaged
HA-112	Shower stall tile grout & cement board	HA-112a	NAD	FS-12	360 SF	Non-friable	Damaged
HA-113	Ceramic tile, 12", lt. gray & blue, gray grout	HA-113a	NAD	FS-12, Hot Tub Walls	280 SF	Non-friable	Damaged
HA-114	Ceramic tile, 8", lt. gray, gray grout	HA-114a	NAD	FS-12, Hot Tub Floor	60 SF	Non-friable	Damaged



CLIENT: GCLBA
PROJECT NO: 7168s

PROJECT NAME: Former Ramada Inn and Suites, 4300 West Pierson Road, Flint, Michigan

HA No.	Material Description	Sample Number	Asbestos Content	Material Location	Approx. Quantity	Friability	Condition
HA-115	Ceramic tile w/grout & glue, 4" tile, dark blue, white grout	HA-115a	NAD	FS-12, Sauna Entrance	40 SF	Non-friable	Damaged
HA-116	Ceramic tile grout, 4" tile, lt. blue, white grout w/glue	HA-116a	NAD	FS-12, Sauna Entrance	376 SF	Non-friable	Damaged
HA-117	Ceramic tile grout, 1" tile various blues, white/gray grout	HA-117a	NAD	FS-12, Sauna Entrance & Shower Floor	111 SF	Non-friable	Damaged
HA-118	Ceramic tile grout, 2" tile, around inside top of pool	HA-118a	NAD	FS-12, Inside of Pool	140 SF	Non-friable	Damaged

NAD = No Asbestos Detected

 $FS = Functional \ Space \\ SF = Square \ Feet \\ N/A = Not \ analyzed \\ CF = Cubic \ Feet$ 

LF= Linear Feet ACM = Asbestos Containing Material

 $Bold = Indicates \ sample \ contains > 1\% \ asbestos$ 

NE = Not Estimated

#### APPENDIX B

BULK ASBESTOS SAMPLE LABORATORY DATA SHEETS AND CHAIN OF CUSTODY FORMS



### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 01

Cust. #: HA-1 A

Material: Exterior Stucco

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 01a

Cust. #: HA-1 A

Material:

Location:

Appearance: grey,fibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 02

Cust. #: HA-1 B

Material: Exterior Stucco

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Type/Percent

No Asbestos Observed

Asbestos Present: NO

Other - 100%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 1%

Other - 99%

Other - 100%

Asbestos Present: NO No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 02a

Cust. #: HA-1 B

Material: Location:

Appearance: grey,fibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 03

Cust. #: HA-1 C

Material: Exterior Stucco

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 04

Cust. #: HA-1 D

Material: Exterior Stucco

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2%

Other - 98%

Other - 100%

Asbestos Present: NO

No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 2%

Other - 98%

Lab ID #: 36943 - 04a

Cust. #: HA-1 D

Material: Location:

Appearance: grey,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 4% Fiberglass - 5%

Other - 91%

Lab ID #: 36943 - 05 Cust. #: HA-2 A

Material: Plaster/Drywall Material

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 2%

Lab ID #: 36943 - 06 Cust. #: HA-2 B

Material: Plaster/Drywall Material

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

No Asbestos Observed

Fiberglass - 5%

Other - 93%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 2%

Fiberglass - 5%

Other - 93%

Lab ID #: 36943 - 07

Cust. #: HA-2 C

Material: Plaster/Drywall Material

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

No Asbestos Observed

Cust. #: HA-3 A

Lab ID #: 36943 - 08

Material: Tan Glue

Location: Behind Plaster

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 09

Cust. #: HA-3 B

Material: Tan Glue Location: Behind Plaster

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Cellulose - 2%

Other - 98%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 10

Cust. #: HA-4 A

Material: White Glue Location: On Wall Board

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 11

Cust. #: HA-5 A

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 11a

Cust. #: HA-5 A

Material: Drywall

Location:

Appearance: white, fibrous, homogenous

Layer: 2 of 2

No Asbestos Observed

Asbestos Present: NO

Other - 100%

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 1%

Other - 99%

Asbestos Present: NO No Asbestos Observed

Fiberglass - 5%

Other - 95%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Reported: 08/12/11

Date Analyzed: 08/12/11

Sample Information

Asbestos Type/Percent

No Asbestos Observed

Non-Asbestos

Lab ID #: 36943 - 12

Cust. #: HA-5 B

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 12a

Cust. #: HA-5 B

Material: Drywall

Location:

Appearance: white, fibrous, homogenous

Layer: 2 of 2

Lab ID #: 36943 - 13

Cust. #: HA-5 C

Material: Drywall/Tape/Mud

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 2%

Other - 98%

Asbestos Present: **NO** No Asbestos Observed

Fiberglass - 5%

Other - 95%

Asbestos Present: NO

No Asbestos Observed

Fiberglass - 5%

Other - 95%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 40%

Other - 30%

Mineral Wool - 30%

Lab ID #: 36943 - 14

Cust. #: HA-6 A

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Cellulose - 40%

Lab ID #: 36943 - 15 Cust. #: HA-6 B

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

No Asbestos Observed

Mineral Wool - 30%

Other - 30%

Lab ID #: 36943 - 16

Cust. #: HA-6 C

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 40%

No Asbestos Observed

Mineral Wool - 30%

Other - 30%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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#### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 17

Cust. #: HA-7 A

Material: Ceramic Tile Grout - Gray

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 20%

Other - 80%

Material: White Ceiling Tile

Location:

Appearance: white, fibrous, nonhomogenous

Lab ID #: 36943 - 18

Layer: 1 of 1

Cust. #: H-8 A

Asbestos Present: NO

Cellulose - 20%

Lab ID #: 36943 - 19 Cust. #: HA-8 B

No Asbestos Observed

Other - 80%

Material: White Ceiling Tile

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

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Robert T. Letarte Jr., Laboratory Director

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#### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

Asbestos Present: **NO** 

No Asbestos Observed

No Asbestos Observed

Non-Asbestos

Cellulose - 20%

Cellulose - 50%

Fiberglass - 30%

Other - 20%

Other - 80%

Lab ID #: 36943 - 20

Cust. #: HA-8 C

Material: White Ceiling Tile

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 21

Cust. #: HA-9 A

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 50%

Fiberglass - 30%

Other - 20%

Lab ID #: 36943 - 22 Cust. #: HA-9 B

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

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Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 1

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 50%

Fiberglass - 30%

Other - 20%

Other - 80%

Lab ID #: 36943 - 23

Cust. #: HA-9 C

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20%

Lab ID #: 36943 - 24 Cust. #: HA-10 A

Material: Exterior Wall - Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 25

Cust. #: HA-10 B

Material: Exterior Wall - Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 20%

No Asbestos Observed

Other - 80%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 20%

Other - 80%

Lab ID #: 36943 - 26

Cust. #: HA-10 C

Material: Exterior Wall - Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 27

Cust. #: HA-11 A

Material: Drywall - White

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 20%

Fiberglass - 5%

Other - 75%

Lab ID #: 36943 - 28

Cust. #: HA-12 A

Material: White Ceiling Tile - Smooth

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 11

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 29

Cust. #: HA-12 B

Material: White Ceiling Tile - Smooth

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 40%

No Asbestos Observed

Mineral Wool - 30%

Other - 30%

Lab ID #: 36943 - 30

Cust. #: HA-12 C

Material: White Ceiling Tile - Smooth

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

Lab ID #: 36943 - 31 Cust. #: HA-13 A

Material: Drywall Mtls

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20%

Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 32

Cust. #: HA-13 B

Material: Joint Compound

Location:

Appearance: grey,fibrous,nonhomogenous

Layer: 1 of 2

Lab ID #: 36943 - 32a

Cust. #: HA-13 B

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Lab ID #: 36943 - 33

Cust. #: HA-13 C

Material: Joint Compound

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO

No Asbestos Observed

Cellulose - 1%

Other - 99%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 20%

Other - 80%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project #7168s

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Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 20%

Other - 80%

Lab ID #: 36943 - 33a

Cust. #: HA-13 C Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 3% Other - 97%

Lab ID #: 36943 - 34 Cust. #: HA-14 A

Material: Carpet Glue - Yellow

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 3%

Lab ID #: 36943 - 35 Cust. #: HA-14 B

Material: Carpet Glue - Yellow

No Asbestos Observed

Other - 97%

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 3%

Other - 97%

Lab ID #: 36943 - 36

Cust. #: HA-14 C

Material: Carpet Glue - Yellow

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Chrysotile - 7%

Asbestos Present: **YES** 

Other - 93%

Lab ID #: 36943 - 37 Cust. #: HA-15 A

Material: 9x9 Tan Floor Tile

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 37a

Cust. #: HA-15 A

Material: Mastic

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

Cellulose - 2%

No Asbestos Observed

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 38

Cust. #: HA-15 B

Material: 9x9 Tan Floor Tile

Location:

Appearance: Layer: 1 of 2

Lab ID #: 36943 - 38a

Cust. #: HA-15 B

Material: Mastic

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 39

Cust. #: HA-15 C

Material: 9x9 Tan Floor Tile

Location:

Appearance: Layer: 1 of 2

Asbestos Present:

NOT ANALYZED

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2%

Other - 98%

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 39a

Cust. #: HA15 C Material: Mastic

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

Cellulose - 2%

Other - 98%

Other - 100%

Lab ID #: 36943 - 40.

Cust. #: HA-16 A

Material: 12x12 Gray Floor Tile

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 40a

Cust. #: HA-16 A

Material: Mastic

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Asbestos Present: **NO** 

No Asbestos Observed

No Asbestos Observed

Asbestos Present: NO

Cellulose - 1%

Other - 99%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project #7168s

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 41.

Cust. #: HA-16 B

Material: 12x12 Gray Floor Tile

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 2

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2% Other - 98%

Other - 100%

Lab ID #: 36943 - 41a Cust. #: HA-16 B

Material: Mastic

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

No Asbestos Observed

Asbestos Present: NO

Lab ID #: 36943 - 42 Cust. #: HA-16 C

Material: 12x12 Gray Floor Tile

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 42a

Cust. #: HA-16 C

Material: Mastic

Location:

Appearance: brown,fibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 43

Cust. #: HA-17 A

Material: Gray Cove Base

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 43a

Cust. #: HA-17 A

Material: Adhesive

Location:

Appearance: brown, fibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

Chrysotile - < 1%

Other - 100%

Other - 100%

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

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ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 44

Cust. #: HA-18 A

Material: Brown Covebase

Location:

Appearance: brown, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2%

Other - 98%

Lab ID #: 36943 - 44a Cust. #: HA-18 A

Material: Adhesive

Location:

Appearance: beige, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO No Asbestos Observed

Cellulose - 80%

Other - 20%

Lab ID #: 36943 - 45 Cust. #: HA-19 A

Material: White Paper

Location: Outside of Fiberglass

Appearance: white, fibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 46

Cust. #: HA-19 B

Material: White Paper

Location: Outside of Fiberglass

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 47

Cust. #: HA-19 C

Material: White Paper

Location: Outside of Fiberglass

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 48

Cust. #: HA-20 A

Material: Black Tar Paper

Location:

Appearance: black, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 45%

No Asbestos Observed

Other - 55%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 90%

Other - 10%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 25%

Other - 65%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 49 Cust. #: HA-20 B

Material: Black Tar Paper

Location:

Appearance: black, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 50

Cust. #: HA-20 C

Material: Black Tar Paper

Location:

Appearance: black, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 51

Cust. #: HA-21 A

Material: 12X12 Tan Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Other - 60%

Asbestos Present: **NO** No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Cellulose - 50%

Other - 50%

Other - 100%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 11-

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 51a

Cust. #: HA-21 A Material: Mastic

Location:

Appearance: clear,nonfibrous,homogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 52 Cust. #: HA-21 B

Material: 12X12 Tan Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 52a

Cust. #: HA-21 B

Material: Mastic

Location:

Appearance: clear, fibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 2 of 2

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 53

Cust. #: HA-21 C

Material: 12X12 Tan Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 1% Other - 99%

Lab ID #: 36943 - 53a Cust. #: HA-21 C

Material: Mastic

Location:

Appearance: clear, fibrous, homogenous

Layer: 2 of 2

Lab ID #: 36943 - 54

Cust. #: HA-22 A

Material: Glue on Foam

Location:

Appearance: grey,fibrous,nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 1%

Other - 99%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 55

Cust. #: HA-22 B

Material: Glue on Foam

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 56

Cust. #: HA-22 C

Material: Glue on Foam

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 57

Cust. #: HA-23

Material: Black Covebase

Location:

Appearance: black,nonfibrous,homogenous

Layer: 1 of 2

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Cellulose - 1%

Other - 99%

Asbestos Present: **NO** No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Cellulose - 1%

Other - 99%

Other - 100%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 57a Cust. #: HA-23

Material: Adhesive

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 58

Cust. #: HA-24 A

Material: Ceiling Tile

Asbestos Present: NO

No Asbestos Observed

Cellulose - 45%

Mineral Wool - 30%

Other - 25%

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 59

Cust. #: HA-24 B

Asbestos Present: NO

No Asbestos Observed

Cellulose - 45%

Mineral Wool - 30%

Other - 25%

Material: Ceiling Tile Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 40%

Other - 30%

Mineral Wool - 30%

Lab ID #: 36943 - 60

Cust. #: HA-24 C

Material: Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 61

Cust. #: HA-25 A

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 2%

Other - 98%

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 61a

Cust. #: HA-25 A

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20%

Other - 80%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 62

Cust. #: HA-25 B

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 62a

Cust. #: HA-25 B

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Lab ID #: 36943 - 63

Cust. #: HA-25 C

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO

Cellulose - 2%

No Asbestos Observed

Other - 98%

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 20%

Other - 80%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

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11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 20%

Other - 80%

Lab ID #: 36943 - 63a

Cust. #: HA-25 C Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: **NO**No Asbestos Observed

Cellulose - 1% Other - 99%

Lab ID #: 36943 - 64 Cust. #: HA-26 A

Material: Carpet Glue

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 1%

Lab ID #: 36943 - 65 Cust. #: HA-26 B

Material: Carpet Glue

No Asbestos Observed

Other - 99%

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991



### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 66 Cust. #: HA-26 C

Material: Carpet Glue

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: **NO** No Asbestos Observed

Other - 100%

Lab ID #: 36943 - 67 Cust. #: HA-27 A

Material: Black Covebase

Location:

Appearance: black,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 67a

Cust. #: HA-27 A

Material: Adhesive

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

Cellulose - 1%

No Asbestos Observed

Other - 99%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: YES

Non-Asbestos

Cellulose - 10%

Other - 70%

Lab ID #: 36943 - 68

Cust. #: HA-28 A

Material: Sheet Linoleum

Location:

Appearance: brown, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 69

Cust. #: HA-28 B

Material: Sheet Linoleum

Location: Appearance: Asbestos Present:

Chrysotile - 20%

NOT ANALYZED

Layer:

Lab ID #: 36943 - 70

Cust. #: HA-28 C

Material: Sheet Linoleum

Location: Appearance: Layer: of Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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Mr. Ryan Londrigan AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 71

Cust. #: HA-29 A

Material: 12x12 Off-White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO**No Asbestos Observed

Other - 100%

Other - 100%

Lab ID #: 36943 - 71a Cust. #: HA-29 A

Material: Mastic

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 72

Cust. #: HA-29 B

Material: 12x12 Off-White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO

No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 72a Cust. #: HA-29 B

Material: Mastic

Location:

Appearance: brown,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: NO No Asbestos Observed

Cellulose - 2%

Other - 98%

Other - 100%

Lab ID #: 36943 - 73

Cust. #: HA-29 C

Material: 12x12 Off-White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 73a

Cust. #: HA-29 C

Material: Mastic

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

Cellulose - 2%

No Asbestos Observed

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 10%

Fiberglass - 10%

Other - 80%

Lab ID #: 36943 - 74

Cust. #: HA-30 A

Material: Red Sheet Linoleum

Location:

Appearance: red,fibrous,nonhomogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Cellulose - 10%

Lab ID #: 36943 - 75 Cust. #: HA-30 B

Material: Red Sheet Linoleum

Location:

Appearance: red,fibrous,nonhomogenous

No Asbestos Observed

Fiberglass - 10%

Other - 80%

Layer: 1 of 1

Lab ID #: 36943 - 76

Cust. #: HA-30 C

Material: Red Sheet Linoleum

Location:

Appearance: red,fibrous,nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 10%

No Asbestos Observed

Fiberglass - 10%

Other - 80%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 50%

Other - 30%

Mineral Wool - 20%

Lab ID #: 36943 - 77

Cust. #: HA-31 A

Material: Roof Insulation

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

No Asbestos Observed

Asbestos Present: **NO** 

Cellulose - 50% Mineral Wool - 20%

Other - 30%

Lab ID #: 36943 - 78 Cust. #: HA-31 B

Material: Roof Insulation

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 79

Cust. #: HA-31 C

Asbestos Present: NO

No Asbestos Observed

Cellulose - 50%

Mineral Wool - 20%

Other - 30%

Material: Roof Insulation

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 80

Cust. #: HA-32 A

Material: Pipe Insulation

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 81

Material: Pipe Insulation

Location:

Asbestos Present: YES

Mineral Wool - 40%

Other - 56%

Cust. #: HA-32 B

NOT ANALYZED

Asbestos Present:

Chrysotile - 4%

Appearance: Layer:

Lab ID #: 36943 - 82

Cust. #: HA-33 A

Material: White Dampner

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: YES Chrysotile - 80%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Other - 20%

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Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 3%

Other - 97%

Other - 97%

Lab ID #: 36943 - 83 Cust. #: HA-34 A

Material: White Glue

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO**No Asbestos Observed

Cellulose - 3%

Lab ID #: 36943 - 84 Cust. #: HA-34 B

Material: White Glue

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 3%

Lab ID #: 36943 - 85 Cust. #: HA-34 C

Material: White Glue

No Asbestos Observed

Other - 97%

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 86

Cust. #: HA-35 A

Material: Brown Glue

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 87

Cust. #: HA-35 B

Material: Brown Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 88

Cust. #: HA-35 C

Material: Brown Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Type/Percent

Asbestos Present: NO No Asbestos Observed

Cellulose - 2%

Other - 98%

Cellulose - 2%

Other - 98%

Asbestos Present: NO No Asbestos Observed

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 2% Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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#### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 89

Cust. #: Ha-36 A

Material: Glue/Mud

Location:

Appearance: brown, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 90

Cust. #: HA-36 B

Material: Glue/Mud

Location:

Appearance: brown, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 91

Cust. #: HA-36 C

Material: Glue/Mud

Location:

Appearance: brown, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Cellulose - 5%

Cellulose - 5%

Other - 95%

No Asbestos Observed

Other - 95%

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

Cellulose - 5%

No Asbestos Observed

Other - 95%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 92

Cust. #: HA-37 A

Material:

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 93

Cust. #: HA-37 B

Material:

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 94

Cust. #: HA-37 C

Material:

Location:

Appearance: white, fibrous, nonhomogenous

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20%

Fiberglass - 10%

Other - 70%

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 20%

Fiberglass - 10%

Other - 70%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20% Fiberglass - 10%

Other - 70%

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 95

Cust. #: HA-38 A

Material: 12x12 White Floor Tile

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 95a

Cust. #: HA-38 A Material: Mastic

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2%

Other - 98%

Lab ID #: 36943 - 96

Cust. #: HA-38 B

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 2%

Other - 98%

Lab ID #: 36943 - 96a Cust. #: HA-38 B

Material: Mastic

Location:

Appearance: brown,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Other - 100%

Lab ID #: 36943 - 97 Cust. #: HA-38 C

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 97a

Cust. #: HA-38 C

Material: Mastic

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: NO

Cellulose - 2%

No Asbestos Observed

Other - 98%

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

Non-Asbestos

Fiberglass - 10%

Other - 90%

Lab ID #: 36943 - 98

Cust. #: HA-39 A

Material: Drywall/Wallboard

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Fiberglass - 10%

Other - 90%

Lab ID #: 36943 - 99 Cust. #: HA-39 B

Material: Drywall/Wallboard

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 20%

Lab ID #: 36943 - 100 Cust. #: HA-39 C

Material: Drywall/Wallboard

No Asbestos Observed

Fiberglass - 10% Other - 70%

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: YES

Non-Asbestos

Other - 65%

Mineral Wool - 30%

Lab ID #: 36943 - 101

Cust. #: HA-41 A

Material: Mudded Pipe Elbows

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 102

Cust. #: HA-41 B

Material: Mudded Pipe Elbows

Location:

Appearance: Layer:

Asbestos Present:

Chrysotile - 5%

NOT ANALYZED

Lab ID #: 36943 - 103

Cust. #: HA-41 C

Material: Mudded Pipe Elbows

Location: Appearance: Layer: of Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project #7168s

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 2%

Other - 98%

Lab ID #: 36943 - 104

Cust. #: HA-42 A

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 20% Other - 80%

Cust. #: HA-42 A

Lab ID #: 36943 - 104a

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: NO

Cellulose - 55%

Lab ID #: 36943 - 105 Cust. #: HA-42 B

Material: Vinyl / Glue

No Asbestos Observed

Fiberglass - 10% Other - 35%

Location:

Appearance: beige, fibrous, nonhomogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 20%

Other - 80%

Lab ID #: 36943 - 105a

Cust. #: HA-42 B Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

Cust. #: HA-42 C

Lab ID #: 36943 - 106

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 106a

Cust. #: HA-42 C

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20%

Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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#### Test Method, Polarized Light Microscopy (PLM)

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 107 Cust. #: HA-43 A

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30% Other - 30%

Lab ID #: 36943 - 108

Cust. #: HA-43 B

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

Lab ID #: 36943 - 109

Cust. #: HA-43 C

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 10%

Fiberglass - 10%

Other - 80%

Lab ID #: 36943 - 110

Cust. #: HA-44 A

Material: Sheet Linoleum

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Cellulose - 10%

Lab ID #: 36943 - 111 Cust. #: HA-44 B

Material: Sheet Linoleum

No Asbestos Observed

Fiberglass - 10% Other - 80%

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 10%

Lab ID #: 36943 - 112 Cust. #: HA-44 C

Material: Sheet Linoleum

No Asbestos Observed

Fiberglass - 10% Other - 80%

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943 Date Collected: 08/02/11

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Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 113

Cust. #: HA-45 A

Material: White Ceiling Tile

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 114

Cust. #: HA-45 B

Material: White Ceiling Tile

Location: Appearance: Layer:

Asbestos Present: YES

Cellulose - 6%

Mineral Wool - 60%

Other - 30%

NOT ANALYZED

Asbestos Present:

Chrysotile - 4%

Lab ID #: 36943 - 115

Asbestos Present:

Cust. #: HA-45 C

Material: White Ceiling Tile

NOT ANALYZED

Location: Appearance: Layer: of

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 116

Cust. #: HA-46 A

Material: Brown/Tan Glue

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 117

Cust. #: HA-46 B

Material: Brown/Tan Glue

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 118

Cust. #: HA-46 C

Material: Brown/Tan Glue

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

No Asbestos Observed

Asbestos Present: NO

Other - 100%

Asbestos Present: **NO** No Asbestos Observed

Other - 100%

Other - 100%

Asbestos Present: NO No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 119

Cust. #: HA-47 A

Material: White Fibrous Mtls

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 120

Cust. #: HA-47 B

Material: White Fibrous Mtls

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 121

Cust. #: HA-47C

Material: White Fibrous Mtls

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Cellulose - 4%

Other - 96%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 4%

Other - 96%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 4%

Other - 96%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

No Asbestos Observed

Non-Asbestos

Lab ID #: 36943 - 122

Cust. #: HA-48 A

Material: White Ceiling Tile

Location:

Appearance: yellow,fibrous,nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 123

Cust. #: HA-48 B

Material: White Ceiling Tile

Location:

Appearance: yellow,fibrous,nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 124

Cust. #: HA-48 C

Material: White Ceiling Tile

Location:

Appearance: yellow,fibrous,nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

Fiberglass - 90%

Other - 10%

Asbestos Present: **NO** No Asbestos Observed

Fiberglass - 90%

Other - 10%

Asbestos Present: NO

No Asbestos Observed

Fiberglass - 90%

Other - 10%

For Layered Samples, each component will be analyzed and reported separately

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ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: YES

Non-Asbestos

Other - 94%

Lab ID #: 36943 - 125

Cust. #: HA-49 A

Material: Window Caulk

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 126

Cust. #: HA-49 B

Material: Window Caulk

Location:

Asbestos Present:

Chrysotile - 6%

NOT ANALYZED

Appearance: Layer:

Lab ID #: 36943 - 127

Cust. #: HA-49 C

Material: Window Caulk

Location: Appearance: Layer: of Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 128

Cust. #: HA-50 A

Material: Window Caulk

Location:

Appearance: silver,fibrous,nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 129

Cust. #: HA50 B

Material: Window Caulk

Location: Appearance:

Layer:

Lab ID #: 36943 - 130

Cust. #: HA-50 C

Material: Window Caulk

Location: Appearance:

Layer:

of

Asbestos Present: YES

Cellulose - 1%

Fiberglass - 1%

Other - 93%

Asbestos Present: NOT ANALYZED

Chrysotile - 5%

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Other - 100%

Lab ID #: 36943 - 131

Cust. #: HA-51 A

Material: Brown Covebase

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 2

No Asbestos Observed

Asbestos Present: **NO** 

Cust. #: HA-51 A Material: Adhesive

Lab ID #: 36943 - 131a

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 132

Cust. #: HA-52 A

Material: Paint on Drywall

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Wollastonite - 5%

Other - 95%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 133

Cust. #: HA-52 B

Material: Paint on Drywall

Location: Appearance: Layer:

Asbestos Present:

NO SAMPLE RECEIVED

Lab ID #: 36943 - 134

Cust. #: HA-52 C

Material: Paint on Drywall

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Wollastonite - 5%

No Asbestos Observed

Other - 95%

Lab ID #: 36943 - 135

Cust. #: HA-53 A

Material: Mudded Roof

Asbestos Present: YES Chrysotile - 4%

Mineral Wool - 30%

Amosite - 1%

Other - 65%

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 136

Cust. #: HA-53 B

Material: Mudded Roof

Location: Appearance: Layer:

Lab ID #: 36943 - 137 Cust. #: HA-54 A

Material: Mudded Elbows

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 138

Cust. #: HA-54 B

Material: Mudded Elbows

of

Location: Appearance:

Layer:

Asbestos Present:

NOT ANALYZED

Chrysotile - 3%

Asbestos Present: **YES** 

Mineral Wool - 40%

Other - 52%

Asbestos Present:

NOT ANALYZED

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Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 2%

Other - 98%

Lab ID #: 36943 - 139

Cust. #: HA-55 A

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** 

Cellulose - 20%

Cust. #: HA-55 A

Material: Drywall

Lab ID #: 36943 - 139a

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

No Asbestos Observed

Other - 80%

Lab ID #: 36943 - 140

Cust. #: HA-55 B

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: NO No Asbestos Observed

Cellulose - 20%

Other - 80%

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ARI Report #

11-36943

Date Collected: 08/02/11

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Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 141

Cust. #: HA-55 C

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 141a

Cust. #: HA-55 C

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Lab ID #: 36943 - 142

Cust. #: HA-56 A

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 20%

Other - 80%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

For Layered Samples, each component will be analyzed and reported separately

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Date Collected: 08/02/11 Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 143 Cust. #: HA-56 B

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

Lab ID #: 36943 - 144

Cust. #: HA-56 C

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

Lab ID #: 36943 - 145

Cust. #: HA-57 A

Material: Tan Glue Pod

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 1%

Other - 99%

For Layered Samples, each component will be analyzed and reported separately

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

No Asbestos Observed

Non-Asbestos

Lab ID #: 36943 - 146

Cust. #: HA-57 B

Material: Tan Glue Pod

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 147

Cust. #: HA-58 A

Material: Gray Cove Base

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 147a

Material: Adhesive

Location:

Layer: 2 of 2

Asbestos Present: **NO** 

Cellulose - 1%

Other - 100%

Cellulose - 2%

Other - 98%

Other - 99%

Asbestos Present: **NO** No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Cust. #: HA-58 A

Appearance: white, fibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately

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Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 148 Cust. #: HA-59 A

Material: Brown Glue

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2% Other - 98%

Lab ID #: 36943 - 149 Cust. #: HA-59 B

Material: Brown Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO No Asbestos Observed

Cellulose - 1% Other - 99%

Lab ID #: 36943 - 150 Cust. #: HA-59 C

Material: Brown Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 151

Cust. #: HA-60 A

Material: White Ceiling Tile

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 152

Cust. #: HA-60 B

Material: White Ceiling Tile

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 153

Cust. #: HA-60 C

Material: White Ceiling Tile

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Type/Percent

No Asbestos Observed

Asbestos Present: NO

Cellulose - 90%

Other - 10%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 90%

Other - 10%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 90%

Other - 10%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 154

Cust. #: HA-61 A

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 155

Cust. #: HA-61 B

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 156

Cust. #: HA-61 C

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: NO No Asbestos Observed

Cellulose - 20%

Other - 80%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 20%

Other - 80%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20%

Other - 80%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Date Collected: 08/02/11

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Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 157 Cust. #: HA-62 A

Material: Window Caulk

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 158 Cust. #: HA-62 B

Material: Window Caulk

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO No Asbestos Observed

Cellulose - 1% Other - 99%

Lab ID #: 36943 - 159 Cust. #: HA-62 C

Material: Window Caulk

Location:

Appearance: grey,fibrous,homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 1 of 1

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 160

Cust. #: HA-63 A

Material: Glue on Conc.

Location:

Appearance: yellow,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 161

Cust. #: HA-63 B

Material: Glue on Conc.

Location:

Appearance: yellow,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 162

Cust. #: HA-63 C

Material: Glue on Conc.

Location:

Appearance: yellow,fibrous,homogenous

Layer: 1 of 1

Asbestos Type/Percent

Asbestos Present: **NO** 

Cellulose - 2%

No Asbestos Observed

Other - 98%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2%

Other - 98%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 163

Cust. #: HA-64 A

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2% Other - 98%

Cust. #: HA-64 A

Lab ID #: 36943 - 163a

Material: Mastic

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Lab ID #: 36943 - 164

Cust. #: HA-64 B

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Date Collected: 08/02/11 Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 164a Cust. #: HA-64 B

Material: Mastic

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

No Asbestos Observed

Asbestos Present: **NO** 

Cellulose - 1% Other - 99%

Lab ID #: 36943 - 165 Cust. #: HA-64 C

Material: 12x12 White Floor Tile

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO

Cellulose - 2%

Lab ID #: 36943 - 165a Cust. #: HA-64 C

Material: Mastic

No Asbestos Observed

Other - 98%

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

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Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 80%

Other - 20%

Lab ID #: 36943 - 166

Cust. #: HA-65 A

Material: Fiberboard

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 2% Other - 98%

Lab ID #: 36943 - 166a Cust. #: HA-65 A

Cust. #. 11A-03 A

Material: Brown Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

Cellulose - 80%

Lab ID #: 36943 - 167 Cust. #: HA-65 B

Material: Fiberboard

No Asbestos Observed

Other - 20%

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately.

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 167a Cust. #: HA-65 B

Material: Brown Glue

Location:

Appearance: brown,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: **NO** 

Cellulose - 80%

Lab ID #: 36943 - 168 Cust. #: HA-65 C

Material: Fiberboard

No Asbestos Observed

Other - 20%

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 168a

Cust. #: HA-65 C

Material: Brown Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

Cellulose - 2%

No Asbestos Observed

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 169 Cust. #: HA-66 A

Material: Brown Glue

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 1% Other - 99%

Lab ID #: 36943 - 170 Cust. #: HA-66 B

Material: Brown Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 1%

Lab ID #: 36943 - 171 Cust. #: HA-66 C

Material: Brown Glue

No Asbestos Observed

Other - 99%

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project #7168s

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 172

Cust. #: HA-68 A

Material: Fire Brick

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 173

Cust. #: HA-68 B

Location:

Appearance: Layer:

Chrysotile - 4%

Asbestos Present:

Asbestos Present: YES

Fiberglass - 3%

Other - 93%

Material: Fire Brick

NOT ANALYZED

Lab ID #: 36943 - 174

Asbestos Present:

Cust. #: HA-68 C Material: Fire Brick

NOT ANALYZED

Location: Appearance: Layer: of

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 175

Cust. #: HA-69 A

Material: Textured Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 176

Cust. #: HA-69 B

Material: Textured Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 177

Cust. #: HA-69 C

Material: Textured Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

Fiberglass - 2%

Chrysotile - < 1%

Other - 98%

Asbestos Present: **NO** 

Chrysotile - < 1%

Fiberglass - 3%

Other - 97%

Asbestos Present: NO

Fiberglass - 2%

Chrysotile - < 1%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 178 Cust. #: HA-69 D

Material: Textured Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 179

Cust. #: HA-69 E

Material: Textured Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 180

Cust. #: HA-70 A

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Asbestos Present: NO

Fiberglass - 1%

Chrysotile - < 1%

Other - 99%

Asbestos Present: **NO** 

Fiberglass - 2%

Chrysotile - < 1%

Other - 98%

Asbestos Present: NO

Cellulose - 20%

No Asbestos Observed

Other - 80%

For Layered Samples, each component will be analyzed and reported separately

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 181

Cust. #: HA-70 B

Material: Joint Compound

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 181a

Cust. #: HA-70 B

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Lab ID #: 36943 - 182

Cust. #: HA-70 C

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO

Cellulose - 2%

Chrysotile - < 1%

Other - 98%

Asbestos Present: **NO** 

Cellulose - 20%

No Asbestos Observed

Asbestos Present: NO

Chrysotile - < 1%

Other - 80%

Cellulose - 2%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 20%

Other - 80%

Other - 98%

Lab ID #: 36943 - 182a

Cust. #: HA-70 C Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: **NO** 

Chrysotile - < 1%

Cellulose - 2%

Lab ID #: 36943 - 183 Cust. #: HA-70 D

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO No Asbestos Observed

Cellulose - 20%

Other - 80%

Lab ID #: 36943 - 183a Cust. #: HA-70 D

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

For Layered Samples, each component will be analyzed and reported separately

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ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 184

Cust. #: HA-71 A

Material: Grout

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 1% Other - 99%

Cust. #: HA-71 B

Lab ID #: 36943 - 185

Material: Grout

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 186 Cust. #: HA-71 C

Material: Grout

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 187

Cust. #: HA-72 A

Material: Textured Ceiling

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 188

Cust. #: HA-72 B

Material: Textured Ceiling

Location:

Appearance: Layer:

Lab ID #: 36943 - 189

Cust. #: HA-72 C

Material: Textured Ceiling

Location: Appearance: Layer: of

Asbestos Present: YES

Cellulose - 1%

Other - 96%

Asbestos Present:

Chrysotile - 3%

NOT ANALYZED

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 190

Cust. #: HA-72 D

Material: Textured Ceiling

Location: Appearance: Layer:

Lab ID #: 36943 - 191

Cust. #: HA-72-E

Material: Textured Ceiling

Location: Appearance:

Asbestos Present:

NOT ANALYZED

Asbestos Present:

NOT ANALYZED

Asbestos Present: NO

No Asbestos Observed

Layer:

Lab ID #: 36943 - 192

Cust. #: HA-73 A

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Cellulose - 2%

Other - 98%

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 192a

Cust. #: HA-73 A

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Lab ID #: 36943 - 193

Cust. #: HA-73 B

Material: Vinyl Wall Covering

Location:

Appearance: beige, fibrous, nonhomogenous

Layer: 1 of 2

Lab ID #: 36943 - 193a

Cust. #: HA-73 B

Material: Drywall

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 2 of 2

Asbestos Present: **NO** 

Cellulose - 20%

No Asbestos Observed

Other - 80%

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 40%

Other - 60%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 20%

Other - 80%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan AKT Peerless 214 Janes Ave. Saginaw, MI 48607 ARI Report # 11-3

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 194

Cust. #: HA-74 A

Material: Off-White Cove Base

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO**No Asbestos Observed

Cellulose - 1% Other - 99%

Cust. #: HA-74 A

Lab ID #: 36943 - 194a

Material: Adhesive

Location:

Appearance: beige, fibrous, homogenous

Layer: 2 of 2

Lab ID #: 36943 - 195

Cust. #: HA-75 A

Material: Glue Pods

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 2%

Other - 98%

Lab ID #: 36943 - 196 Cust. #: HA-75 B

Material: Glue Pods

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 2% Other - 98%

Other - 100%

Lab ID #: 36943 - 197 Cust. #: HA-75 C

Material: Glue Pods

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Lab ID #: 36943 - 198 Cust. #: HA-76 A

Material: Brown Covebase

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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#### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 198a

Cust. #: HA-76 A Material: Adhesive

Location:

Appearance: beige, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: **NO**No Asbestos Observed

Other - 100%

Other - 100%

Lab ID #: 36943 - 199 Cust. #: HA-77 A

Cust. #. IIA-//A

Material: Light Brown Covebase

Location:

Appearance: beige,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 199a

Cust. #: HA-77 A

Material: Adhesive

Location:

Appearance: beige,nonfibrous,homogenous

Layer: 2 of 2

Asbestos Present: **NO**No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 200

Cust. #: HA-80 A

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** 

Other - 100%

Other - 100%

Lab ID #: 36943 - 200a Cust. #: HA-80 A

Material: Mastic

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 201

Cust. #: HA-80 B

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

No Asbestos Observed

Asbestos Present: NO

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 201a

Cust. #: HA-80 B Material: Mastic

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Other - 100%

Lab ID #: 36943 - 202 Cust. #: HA-80 C

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 202a

Cust. #: HA-80 C

Material: Mastic

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Asbestos Present: NO

Other - 100% No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 203

Cust. #: HA-81 A

Material: 12X12 Tan Floor Tile

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 2

Asbestos Present: **NO** No Asbestos Observed

Cellulose - 1% Other - 99%

Lab ID #: 36943 - 203a Cust. #: HA-81 A

Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Lab ID #: 36943 - 204

Cust. #: HA-81 B

Material: 12X12 Tan Floor Tile

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 204a

Cust. #: HA-81 B Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 2 of 2

No Asbestos Observed

Asbestos Present: **NO** 

No Asbestos Observed

Other - 99%

Other - 100%

Lab ID #: 36943 - 205

Cust. #: HA-81C

Material: 12X12 Tan Floor Tile

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 205a

Cust. #: HA-81 C

Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

Cellulose - 1%

Asbestos Present: NO

No Asbestos Observed

Cellulose - 2%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project #7168s

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 206

Cust. #: HA-82 A

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 207

Cust. #: HA-82 B

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 208

Cust. #: HA-82 C

Material: White Textured Paint

Location:

Asbestos Type/Percent

Asbestos Present: NO

Cellulose - 2%

Chrysotile - < 1%

Other - 98%

Asbestos Present: **YES** 

Chrysotile - 2%

Cellulose - 2%

Other - 96%

NOT ANALYZED

Asbestos Present:

Appearance: Layer: of

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 209

Cust. #: HA-83 A

Material: 12X12 Tan Floor Tile

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 2% Other - 98%

Cust. #: HA-83 A

Lab ID #: 36943 - 209a

Material: Mastic

Location:

Appearance: yellow,fibrous,homogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Lab ID #: 36943 - 210 Cust. #: HA-83 B

Material: 12X12 Tan Floor Tile

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

No Asbestos Observed

Non-Asbestos

Lab ID #: 36943 - 210a

Cust. #: HA-83 B

Material: Mastic

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Lab ID #: 36943 - 211

Cust. #: HA-83 C

Material: 12X12 Tan Floor Tile

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 211a

Cust. #: HA-83 C

Material: Mastic

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 2 of 2

Asbestos Type/Percent

Asbestos Present: NO

Other - 100%

Other - 100%

Other - 100%

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 212

Cust. #: HA-84 A

Material: 12x12 Off-White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 1% Other - 99%

Other - 100%

Cust. #: HA-84 A

Lab ID #: 36943 - 212a

Material: Mastic

Location:

Appearance: brown, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: NO

No Asbestos Observed

Lab ID #: 36943 - 213 Cust. #: HA-84 B

Material: 12x12 Off-White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 213a

Cust. #: HA-84 B Material: Mastic

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 2 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Lab ID #: 36943 - 214

Cust. #: HA-84 C

Material: 12x12 Off-White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 214a

Cust. #: HA-84 C

Material: Mastic

Location:

Appearance: brown, fibrous, homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 2 of 2

Robert T. Letarte Jr., Laboratory Director

Cellulose - 2%

Other - 98%

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Non-Asbestos

Other - 96%

Lab ID #: 36943 - 215

Cust. #: HA-85 A

Material: Brown Tile

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 215a

Cust. #: HA-85 A

Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 2 of 2

Lab ID #: 36943 - 216

Cust. #: HA-85 B

Material: Brown Tile/Mastic

of

Location: Appearance:

Layer:

Asbestos Type/Percent

Asbestos Present: **YES** 

Chrysotile - 2%

Asbestos Present: YES

Other - 98%

Asbestos Present:

Chrysotile - 4%

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 217

Cust. #: HA-85 C

Material: Brown Tile/Mastic

Location:

Appearance: Layer:

NOT ANALYZED

Lab ID #: 36943 - 218

Cust. #: HA-86 A

Material: 12x12 Pink Floor Tile

Location:

Appearance: pink,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 218a

Cust. #: HA-86 A

Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 2 of 2

Asbestos Present:

Asbestos Present: YES

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 2%

Other - 100%

Chrysotile - 2%

Other - 96%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 36943 - 219

Cust. #: HA-86 B

Material: 12x12 Pink Floor Tile

Location:

Appearance: pink,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 36943 - 219a Asbestos Present:

Cust. #: HA-86 B Material: Mastic

Location: Appearance: Layer: 2 of 2

NOT ANALYZED

Lab ID #: 36943 - 220

Cust. #: HA-87 A Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: NO No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Other - 100%

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11 Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Chrysotile - 2%

Non-Asbestos

Lab ID #: 36943 - 220a

Cust. #: HA-87 A

Material: Mastic

Location:

Appearance: yellow,fibrous,nonhomogenous

Layer: 2 of 2

Lab ID #: 36943 - 221

Cust. #: HA-87 B

Material: 12x12 White Floor Tile

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 36943 - 221a

Cust. #: HA-87 B

Material: Mastic

Location:

Appearance:

Layer: 2 of 2

Asbestos Present: YES

Cellulose - 2%

Other - 96%

Asbestos Present: **NO** 

No Asbestos Observed

Other - 100%

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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ARI Report #

11-36943

Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 222

Cust. #: HA-88 A

Material: 2x2 White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 30%

No Asbestos Observed

Mineral Wool - 50%

Other - 20%

Lab ID #: 36943 - 223

Cust. #: HA-88 B

Material: 2x2 White Ceiling Tile

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 10%

Fiberglass - 70%

Other - 20%

Lab ID #: 36943 - 224

Cust. #: HA-88 C

Material: 2x2 White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 35%

Mineral Wool - 50%

Other - 15%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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ARI Report #

11-36943 Date Collected: 08/02/11

Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

No Asbestos Observed

Non-Asbestos

Lab ID #: 36943 - 225

Cust. #: HA-89 A Material: Brown Glue

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 226

Cust. #: HA-89 B

Material: Brown Glue

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 227

Cust. #: HA-89 C

Material: Brown Glue

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Type/Percent

Asbestos Present: NO

Other - 100%

Other - 100%

Other - 100%

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report #

11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11

Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: YES

Chrysotile - 6%

Non-Asbestos

Other - 64%

Mineral Wool - 30%

Lab ID #: 36943 - 228

Cust. #: HA-90 A

Material: Mudded Elbows

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 229

Material: Mudded Elbows

Location: Appearance:

Layer:

Cust. #: HA-90 B

NOT ANALYZED

Asbestos Present:

Lab ID #: 36943 - 230

Cust. #: HA-90 C

Material: Mudded Elbows

Location: Appearance: Layer: of Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

**Report To:** 

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Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: **NO** 

No Asbestos Observed

Non-Asbestos

Cellulose - 3%

Other - 97%

Other - 97%

Lab ID #: 36943 - 231

Cust. #: HA-91 A Material: Glue Behind Wood

Location:

Appearance: yellow,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 3%

Lab ID #: 36943 - 232 Cust. #: HA-91 B

Material: Glue Behind Wood

Location:

Appearance: yellow,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 233

Cust. #: HA-91 C

Material: Glue Behind Wood

Location:

Appearance: yellow,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 2%

No Asbestos Observed

Other - 98%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### Test Method, Polarized Light Microscopy (PLM)

Project #7168s

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Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 08/02/11 Date Received: 08/09/11

Date Analyzed: 08/12/11 Date Reported: 08/12/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 1%

Other - 99%

Lab ID #: 36943 - 234

Cust. #: HA-79 A

Material: Extra Sample

Location:

Appearance: yellow,fibrous,homogenous

Layer: 1 of 1

Lab ID #:

Cust. #: Material: Location:

Appearance: Layer:

Lab ID #:

Cust. #: Material:

Location:

Appearance: Layer:

Asbestos Present:

Asbestos Present:

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project: 7168s

### Supplemental Report

**Report To:** 

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ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 99%

Other - 98.5%

Lab ID #: 36943 - 43a

Cust. #: HA-17A

Material: Glue

Location:

Appearance: brown, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 1%

POINT COUNT RESULT

Asbestos Present: **YES** 

POINT COUNT RESULT

Lab ID #: 36943 - 80

Cust. #: HA-32A

Material: Pipe Insulation

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

Lab ID #: 36943 - 81

Cust. #: HA-32B

Material: Pipe Insulation

Location:

of

Appearance:

Layer:

Asbestos Present:

Chrysotile - 1.5%

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project: 7168s

### Supplemental Report

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave.

Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11

Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Non-Asbestos

Lab ID #: 36943 - 113

Cust. #: HA-45A Material: White CT

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 114

Cust. #: HA-45B Material: White CT

Location:

Layer:

Appearance:

Lab ID #: 36943 - 115

Material: White CT

Location:

Layer:

Asbestos Type/Percent

Asbestos Present: YES

Other - 97.5%

POINT COUNT RESULT

Chrysotile - 1.5%

Amosite - 1%

NOT ANALYZED

Asbestos Present:

Cust. #: HA-45C

NOT ANALYZED

Asbestos Present:

Appearance:

of

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Robert T. Letarte Jr., Laboratory Director

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Project: 7168s

### Supplemental Report

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Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave.

ARI Report # 11-36943 Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11 Date Reported: 08/23/11

Saginaw, MI 48607

Sample Information

Asbestos Type/Percent

Asbestos Present: YES

POINT COUNT RESULT

Chrysotile - 5.5%

Asbestos Present:

NOT ANALYZED

Non-Asbestos

Other - 94.5%

Lab ID #: 36943 - 125

Cust. #: HA-49A

Material: Window Caulk

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 126

Cust. #: HA-49B

Material: Window Caulk

Location:

Appearance:

Layer:

Lab ID #: 36943 - 127

Cust. #: HA-49C

Material: Window Caulk

Location:

of

Appearance:

Layer:

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project: 7168s

### Supplemental Report

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Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 128

Cust. #: HA-50A

Material: Window Caulk

Location:

Appearance: silver,fibrous,homogenous

Layer: 1 of 1

Lab ID #: 36943 - 129

Cust. #: HA-50B

Material: Window Caulk

Location:

Appearance: Layer:

Lab ID #: 36943 - 130

Cust. #: HA-50C

Material: Window Caulk

Location:

Appearance:

Layer:

of

Asbestos Present: YES

Other - 96.25%

Chrysotile - 3.75%

POINT COUNT RESULT

Asbestos Present:

NOT ANALYZED

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project: 7168s

### Supplemental Report

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 99%

Other - 99.75%

Lab ID #: 36943 - 175

Cust. #: HA-69A

Location:

Material: Texture Ceiling

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** Chrysotile - 1%

POINT COUNT RESULT

Lab ID #: 36943 - 176

Cust. #: HA-69B

Material: Texture Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 0.25%

POINT COUNT RESULT

Lab ID #: 36943 - 177

Cust. #: HA-69C

Material: Texture Ceiling

Location:

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 0.25%

Other - 99.75%

POINT COUNT RESULT

For Layered Samples, each component will be analyzed and reported separately

Appearance: white, fibrous, homogenous

Robert T. Letarte Jr., Laboratory Director





Project: 7168s

### Supplemental Report

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 99.25%

Other - 99.25%

Other - 99.75%

Lab ID #: 36943 - 178

Cust. #: HA-69D

Material: Texture Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 179

Cust. #: HA-69E

Material: Texture Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 0.75%

POINT COUNT RESULT

Chrysotile - 0.75%

POINT COUNT RESULT

Asbestos Present: **NO** 

Lab ID #: 36943 - 181

Cust. #: HA-70B

Material: Joint Compound

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 0.25%

POINT COUNT RESULT

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director





Project: 7168s

### Supplemental Report

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 100%

Other - 100%

Other - 98.75%

Lab ID #: 36943 - 182

Cust. #: HA-70C

Material: Joint Compound

Location:

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 183

Cust. #: HA-70D

Material: Joint Compound

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - Trace

POINT COUNT RESULT

Asbestos Present: **NO** 

POINT COUNT RESULT

Lab ID #: 36943 - 187

Cust. #: HA-72A

Material: Texture Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Chrysotile - Trace

POINT COUNT RESULT

Asbestos Present: YES

Chrysotile - 1.25%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director





Project: 7168s

### Supplemental Report

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 188

Cust. #: HA-72B

Material: Texture Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 189

Cust. #: HA-72C

Material: Texture Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 190

Cust. #: HA-72D

Material: Texture Ceiling

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: YES

Other - 98%

Other - 98%

Other - 98%

Chrysotile - 2%

POINT COUNT RESULT

POINT COUNT RESULT

Chrysotile - 2%

Asbestos Present: YES

Asbestos Present: YES

Chrysotile - 2%

POINT COUNT RESULT

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director





Project: 7168s

### Supplemental Report

**Report To:** 

Mr. Ryan Londrigan **AKT Peerless** 214 Janes Ave. Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Asbestos Present: YES

POINT COUNT RESULT

Chrysotile - 3%

Non-Asbestos

Other - 97%

Other - 100%

Other - 99%

Lab ID #: 36943 - 191

Cust. #: HA-72E

Material: Texture Ceiling

Location:

Layer: 1 of 1

Appearance: white, fibrous, homogenous

Lab ID #: 36943 - 206

Cust. #: HA-82A

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

POINT COUNT RESULT

Asbestos Present: **NO** 

Chrysotile - Trace

Layer: 1 of 1

Lab ID #: 36943 - 207

Cust. #: HA-82B

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 1%

POINT COUNT RESULT

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director





Project: 7168s

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ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 99.75%

Other - 97.5%

Lab ID #: 36943 - 208

Cust. #: HA-82C

Material: White Textured Paint

Location:

Layer: 1 of 1

Appearance: white, fibrous, homogenous

Lab ID #: 36943 - 218

Cust. #: HA-86A

Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 36943 - 219

Cust. #: HA-86B Material: Mastic

Location:

Appearance:

Layer:

of

Asbestos Present: **NO** 

Chrysotile - 0.25%

POINT COUNT RESULT

Asbestos Present: YES

Chrysotile - 2.5%

POINT COUNT RESULT

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Project: 7168s

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ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 99.5%

Other - 99.75%

Other - 93.75%

Lab ID #: 36943 - 220

Cust. #: HA-87A

Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: **NO** Chrysotile - 0.5%

POINT COUNT RESULT

Lab ID #: 36943 - 221

Cust. #: HA-87B

Material: Mastic

Location:

Appearance: black, fibrous, homogenous

Layer: 2 of 2

Asbestos Present: **NO** 

Chrysotile - 0.25%

Lab ID #: 36943 - 228

Cust. #: HA-90A

Material: Mudded Elbow

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

POINT COUNT RESULT

POINT COUNT RESULT

Asbestos Present: YES

Chrysotile - 6.25%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director





Project: 7168s

### Supplemental Report

**Report To:** 

Mr. Ryan Londrigan AKT Peerless 214 Janes Ave.

Saginaw, MI 48607

ARI Report # 11-36943

Date Collected: 7/29/11-8/2/11

Date Received: 08/09/11 Date Analyzed: 08/19/11

Date Reported: 08/23/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 36943 - 229

Cust. #: HA-90B

Material: Mudded Elbow

Location:

NOT ANALYZED

Asbestos Present:

Appearance: Layer: 0

Lab ID #: 36943 - 230

Cust. #: HA-90C

Material: Mudded Elbow

Location:

NOT ANALYZED

Asbestos Present:

Appearance: Layer:

Lab ID #:

Asbestos Present:

Cust. #:
Material:
Location:

Location:
Appearance:

Layer:

of

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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### 36943

### esearch, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990 E-mail: apexresearch@chartermi.net



Fax: 734-449-9991

Phone: 989-754-0 Address: City, St., Zip: Client Name: AKT Premess Fax: 989-754-3804 Date of Survey: 7-29-11 +hough 8-2-11 Project #: 7166s Project: 71685

Lab Use Only Log-In\_\_\_\_ Report\_

Other: Rush 48 hour Turn Around Times: (Circle One) 72 hour Sevicerd 24 hour Asbestos: Bulk TEM: Mold: Lead: Bulk Bulk AHERA 7400 Wipe Wipe Tape Contact Person: Kupan Bulk/NOB Air Point Count BioSIS EPA Level II Other PCM Soil Viable

Lab ID#	Client ID# IHI-1 A IHI-1 B IHI-1 C	Material/Location  Ext. Sume	Volume	Area
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7	1420	<		
B	#3 A	Tan Glive benind Pladier		
P	HA-3 B	*		
10	五十日	White clue on wait board		
)/	およの中	Darwall tape + mud		

Date: 8-4-11 Relinquished by:大力し Rev: 12/03 Work Forms: COC Date: 8-4-11 Received by: MCT P SINDOY

Relinquished by: MLT P STOYCOM Received by

Date: RECEIVED ANG-0 9 2011

APEX RESEARCH



APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990 E-mail: apexresearch@chartermi.net Fax: 734-449-9991

City, St., Zip: Phone: Arou Turn Arou Rush Rush Rahour Rush Rhour	City, St., Zip: Sooman, HI 48167 Phone: 984 784 9896 Fax: 984-7  Turn Around Times: (Circle One)  Asbest  Rush 24 hour 12 hour 13 hour 14 hour 15 hour 16 hour 17 hour 18 hour 17 hour 18 hour 18 hour 19 Hour	S4-38C4 Wiese Bulk Wiese Bulk Wiese Tr	: 31688 erson: 6	PCMSoil	Stop on first positivistic
Other:	TTP	AHERA 7400			able
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Rev: 12/03 Work Forms: COC

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APEX RESEARCH

Date: 8

Date:



5 C E-mail: apexresearch@chartermi.net Fax: 734-449-9991 TALTE

Other:TTP	48 hour 72 hour Star Clarc	Rush 24 hour	Turn Around Times: (Circle One)	Phone: 989-754-8896 Fax: 989-754-360	City, St., Zip: Sagimus 41 48607	Address: 214 Saved Ave	Client Name: HYT Keeney
Mold:	Lead:	Asbestos:	(Circle One)	ax: 989- 75	1148607	Ave	
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Tape	Wipe	Asbestos: Bulk X Wipe		Cont	Proj	Proj	Date
BioSIS	Air	Point Count		Contact Person:	Project #: 71685	Project: 71/18	Date of Survey:
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		ने तिर्देश				4	Lab Use Only Log-In

TEM:

AHERA 7400

Bulk/NOB

EPA Level II

Client ID# Material/Location  HA-10 p  HA-10 p  HA-10 C  HA-10 C	Lab ID# C	23 #4	まる	子 22	州 %	27 HA	年第	JA AC	F 88	3/ 4A	32 144	
Material/Location  White calling the  Ormall white  Ormall with smooth  Ormall with	Client ID#	HA-9C	4P-10 p	801-1	J-10 C	111-11A	-12A	HA-12B	14-120	HA-BA	M-138	1 E 1 0 F   CC
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Son: Eyan lendagan  nt Count PCM Stop on first positive  Paint Soil  SSIS Other Viable  EPA Level II  / Olume Area Results	34 HA-14 A Carpet glue - Vellas 35 HA-14B 36 HA-15C 40 HA-15C 41 HA-16C 42 HA-16C 43 HA-17A 6000 Care Base 44 HA-18A 40 HA-17A 6000 Care Base 44 HA-18A 40 H	City, St., Zip:       Segment H       48604       Project #: 7468s         Phone:       884 754 4876       Fax: 384 754 3804       Contact Person:       Zurn Around Times:       Circle One)         Rush       24 hour       Lead:       Bulk       Wipe       Point Count         48 hour       72 hour       Scantage       Mold:       Bulk       Wipe       Air       1         Other:       TTP       TEM:       AHERA 7400       Bulk/NOB       EPA         Lab ID#       Client ID#       Material/Location       Volume
PCM Soil Viable  Area		Paint
		pcmSoilViable Area

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Rev: 12/03 Work Forms: COC

Relinquished by: 871 Date : 8-4-11

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Relinquished by: PUT Received by: PUT Date: 841	892-4H 30	25 H-750 CC	60 B-24 07 B-24 08 B-24	28 H-24 P C	56 HI-72C G	Lab ID # Client ID #	Client Name: ALT ROULDS Address: 244 Sames Ave City, St., Zip: Samus Alvados Phone: 484 TSASAGO Fax: 484-7  Turn Around Times: (Circle One) Asbest Rush 24 hour Lead: 48 hour 72 hour Standard Mold: Other: TTP TEM:
T Passur Relinquished by: Mot		+ 400	Amall His.	coiling tie	Block cove bose	Material/Location	os: Bulk Wi Bulk Wi AHERA 7400
Par Bryan						Volume	y: 7-20 085 n: Rugon Count Paint S EPA Lev
Received by:						Area	PCM Soil Other Viable
2011 2 2011						Results	Lab Use Only Log-In  Report

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Rev: 12/03 Work Forms: COC

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Fax: 734-449-9991	Phone: 734-449-9990

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Results	Area	Volume	Material/Location	Client ID#	Lab ID#
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ble	Other Viable	BioSIS	Mold: Bulk Tape	TTP	Other:
	t Soil	Air Paint	Lead: Bulk Wipe	Shudard	48 hour 72 hour
Sop on hist positive	PCM	Point Count	Asbestos: Bulk Wipe		Rush 24 hour
	C	C	ircle One)	Around Times: (Circle One)	Turn Arou
	ilendrocan	Person: Vyar	Fax: 989-754-3804 Contact Person	W-Jago	Phone: 989-75
veboir		Project #: 7No8s	48607 Project #	Seguinow, KI	City, St., Zip:
Log-In_	mount				Address:
Lab Use Only	TI though of	Survey: 45841	Date of Survey	37 Berner	Client Name: Act

Relinquished by:

Date: 8411

Relinquished by: MCT SOCAL Received by:

Date: 8- -

Date:

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Date: 844

Rev: 12/03 Work Forms: COC

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87 H-38 P	85 Mass	972-EF 78	83 to 040	87 47 33 A	8/ 44-328	80 A0-32 A	79 HA-30C	36943-78 #3818	Lab ID # Client ID #	e: ALT Reads p: Schnow, b  Ound Time  our  our  Trp  Trp
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									Area	PCM_S
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Rev: 12/03 Work Forms: COC

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APEX RESEARCH

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E-mail: apexresearch@chartermi.net

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000	27	80	25	76	93	92	16	90	36943-89	Lab ID#			48 hour 72 hour	Rush 24 hour	Turn Arou	Phone: 989-3	Client Name: Alta Address: 24
もろうな	098- EA	SAR AM	# 38° F	143.340	至250	古公子	J 028-6H	X43613	H-36-94	Client ID#		TIP	) Training		Furn Around Times: (Circle One)	S4-9896 Fa	THE RELIES OF
para linii li anno	2		12x12" White floor this	4		white Burnt Blovel	+		(Filme/July)	Material/Location	TEM: AHERA 7400 Bulk/NOB	Mold: Bulk Tape	Lead: Bulk Wipe	Asbestos: Bulk Wipe	(Circle One)	K4-3804	Date of S Project :
										Volume	NOB EPA Level II	BioSIS	_ Air Paint	Point Count	0	Project #: 708 Contact Person: 100	Date of Survey: 728-11 Muyuh 824 Project: 71085
										Area	evel II	Other	nt Soil_	PCM		on Lendar	B-11-hways
										Results		Viable		Shop on first positive	4		Lab Use Only Log-in

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APEX RESEARCH

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E-mail: apexresearch@chartermi.net Fax: 734-449-9991

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Relinquished by: RCL	011	109	801	107	186	105	104	103	102	101	36943-100	Lab ID#	- Company of the Comp	Other:	48 hour 72 hour	Rush 24 hour	Turn Arou	Phone: 489	City, St., Zip:	Client Name: Address:	
Received by	44 AA	プロスフ	1900 B	H343A	者もつ	8-10-P	下下 5	でするこ	はなるの	帝七中	18年	Client ID#		TIP	Standard		Turn Around Times: (Circle One)	15th 1866 Fax		PAINT BEAUTY	
Received by: Will MODEL Relinquished by: MC	Sheet limitery	4		2x4) white allings tio	4		SHY MANAGA	4		supply among mobiles	prad lien liverano	Material/Location	TEM: AHERA 7400 Bulk/NOB	Mold: Bulk Tape	Lead: Bulk Wipe	os:	(Circle One)	4285454		Date of	
That Bring												Volume	OB EPA Level II	BioSIS	Air Paint	Point Count	C	Contact Person: Ly	Project #: Wicox	Date of Survey: 721	
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												Results		Viable		gab ou pist		200	Report	Lab Use Only Log-In	

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Relinquished by:	120	115	36943-111	Lab ID#	0 4 7 7 7 6 6
Received by:	#-478 #-478	13 to 7	HA-45A	Client ID#	APEX Research, Inc.  Client Name: AUT POMPS  Address: City, St., Zip: Segnow Wilderse Fax: Gircle One)  Phone: Ger Hander Fax: Gircle One)  Asbest  Shour  Trp  Tem:  Tem:
SHI SINDES	White Fibraus	Smant Ton Q	Muste CT	Material/Location	08: B
Relinquished by: MCT S  Date: 8 411	wits	The state of the s			Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990  E-mail: apexresearch@chartermi.net Fax: 734-449-9991  Date of Survey: 7-284 - Thoug 8-286 Project: 7468  Project #: 7468  Project #: 7468  Project #: 7468  Project #: 7468  Point Count PCM Level II Soil BioSIS Other Vi
Juach				Volume	### ##################################
Received by:  Date:				Area	Phone: 734-449-9990 Fax: 734-449-9991 : 7-28-11 - Thoug 8-2-11 8  Legan Level II Viable EPA Level II Viable
C / ADG 0 8 2011				Results	Lab Use Only Log-In Report  Shapon Airst positive ble
PADE 0 8 2011					Printer

E-mail: apexresearch@chartermi.net

Fax: 734-449-9991

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Stop of nist	PCM_	Point Count	Asbestos: Bulk / Wipe	24 hour
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100	n Landir	er	754 S0009	Phone: 454 154 4546 Fax
-			Project #	City, St., Zip: Devinou M
Ja 10	MON	Project:	Date of S Project :	Address: 24 Sund
				Client Name: PH BOOOF

Date:

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E-mail: apexresearch@chartermi.net Fax: 734-449-9991

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Relinquished by: WW	145 HA 147 HA 14	138 44	25年	124 48/- 128/-128	Lab ID# Cli		Rush 24 hour	Client Name: ALL DOMONS Address: 2.14 States Duc City, St., Zip: Shown HI 48000 Phone: 980 Branch Fax: 980- Turn Around Times: (Circle One)
Received by: MC	A BAB	S S S S S S S S S S S S S S S S S S S	1 4 8 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	1828	Client ID#		Shopping!	Swines Ave Times: (Circ
Sivene	white country file	SHIM THANKS	majorn espans	bunt on diffuction	Material/Location	Mold: Bulk TEM: AHERA 7400	os: Bulk Bulk	Will ABOUT  WILL Fax: GBQ-754-8079  Times: (Circle One)
Relinquished by: MM \$1000					on Volume	Tape BioSIS	Wipe Point Count Wipe Air	Date of Survey: 72 Project: 7685 Project #: 7685 Contact Person: 24
Received by:  Date:					Area	Other Viable EPA Level II	PCM Soil	gan Lendr
12/1/2006					Results	ble	Ship on hist p	Lab Use Only Log-In Report

Rev: 12/03 Work Forms: COC

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## APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990



Relinquished by: Other: 48 hour Rush Phone: 984-154 Abolio Address: Turn Around Times: (Circle One) Client Name: MIT WWWW Lab ID# 24 hour 12 hour Starday 4 50 5 100 200 かかか おっちん FP 600 FT 604 79-Lega Client ID# Fax: 989-754-8834 VI 48100 A white outnoy the the Colum Asbestos: Bulk TEM: Mold: Lead: Material/Location White THE COT Bulk Bulk AHERA 7400 E-mail: apexresearch@chartermi.net Jumes Wipe Wipe Tape Date of Survey: 7-28-11 mayn 82-Contact Person: WWM Project # : 7468 Project: Bulk/NOB Air Point Count BioSIS Volume Fax: 734-449-9991 EPA Level II Paint Other Area PCM Soil Viable Ship on his-postic Results Lab Use Only Log-In\_\_\_\_ Report

Rev: 12/03 Work Forms: COC

Date : 5411 Received by:

Date:

Relinquished by:

Received by

Date:

E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Relinquished by:	157 159 160 160 161 162 163 163 163	Lab ID#	Client Name: MAddress: 24 Address: 24 City, St., Zip: 34 Phone: 48 hour 24 hour  48 hour 26 hour Other:
Received by:	##-628 ##-628 ##-628 ##-628	Client ID #	Client Name: At Several Address:  Address:  City, St., Zip: Suganzul M. 1980- Phone: Asbest  Lead:  8 hour  Phone: 24 hour  TTP  TEM:  TEM:
Shur Shucop	Muse 12/1 Flore	Material/Location	154-3604 Wi Bulk Wi Bulk Wi AHERA 7400
Relinquished by: MIT BUTCH	The	1 Volume	Date of Survey: 778.  Project: 768  Project #: 768  Contact Person: 640  pe Point Count pe Air Paint pe BioSIS Othe  Bulk/NOB EPA Level II
Received by.		Area	PCM_Soil
AUG 0 9		Results	Lab Use Only Log-In Log-In Log-In Log-In Report

Date: 8-9/1

Date:

Date: 8-4-1

Date:

E-mail: apexresearch@chartermi.net

Fax: 734-449-9991



City, St., Zip: Sphone: 989-1 48 hour Other: Rush Address: Client Name: Mt Ren DIN 26972178 Turn Around Times: (Circle One) Lab ID# 72 hour 74 89 69 3 20 12 800 PG Sandaro 帯しい中 Client ID# Received by: WU Fax: 989-484 Asbestos: Bulk Mold: Lead: TEM: Material/Location Bulk Bulk AHERA 7400 Relinquished by: ALT Slutage Wipe Wipe Tape Contact Person: Rucon Date of Survey: 728-11 through 82-11 Project: Project #: 7168 Bulk/NOB Air Point Count BioSIS Volume EPA Level II Paint Other Area PCM\_ Viable Results Lab Use Only Log-In\_\_\_\_ Report

Rev: 12/03 Work Forms: COC

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Received by:  Date:							Volume Area	Paint Other
AUG 0 9 2011							Results	Lab Use Only Log-In Report  NOW Per  Soil Strop of Auror  Soil Strop  Viable



HOR HH 861	190 44 450	195 # 750	194 HH 749	SSE HH 681	192 HA 73A	325 Htt 161	190 44 720	189 AA 72C	36943-188 HA-72B	Lab ID # Client ID #			À	Rush 24 hour	Turn Around Times: (Circle One)	Phone: 184 184 WW Fa	City, St., Zip: Sample, M.	Address: 214 Sunes	Client Name: Att portuo	
Bush Middle		Child Doods	OPP WMAR LOWE CONT	S	Someth	+		01	Taptime Ceiling	Material/Location	TEM: AHERA 7400 Bulk	Mold: Bulk Tape	Lead: Bulk Wipe	Asbestos: Bulk Wipe	(Circle One)	1543BO4		Project:	Date o	
										Volume	Bulk/NOBEPA L	BioSIS	Air Paint	Point Count		Contact Person:	3901F:#1	ot: Ness	Date of Survey: 7-	
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200 HH 806 21 000 HH 806	WOI TUTH THE THE 161 - 54699	Lab ID#   Client ID#   Mai	Client Name: MC PRIMUS  Address: 244 Sands Ove City, St., Zip: Sands Ove Phone: 484 St. St. Sands Ove Rush 24 hour Standard Mold: Bulk Other: TTP TEM: AHE
king from the	my page con	Material/Location	Bulk Wight Wight AHERA 7400
		Volume	IVEY: 728 THOS THOS THOS THOS Point Count Air Paint BioSIS EPA Lev
		Area	PCM Soil Viable
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Rev: 12/03 Work Forms: COC

Date :

Date: B-W-1 Received by:

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Received by:

Date:

Relinquished by:



E-mail: apexresearch@chartermi.net Fax: 734-449-9991

City, St., Zip: St. Phone: 1911-151 48 hour Other: Rush Address: Client Name: Aut Bullus Furn Around Times: (Circle One) 24 hour 72 hour Swallard 244 Survey bre Fax: 989-754-3809 Asbestos: Bulk TEM: Mold: Lead: Bulk Bulk AHERA 7400 Wipe Wipe Tape Date of Survey: 728(1)
Project: 71685 Contact Person: \_\_\_\_\_ Project #: Huss Bulk/NOB Air Point Count BioSIS EPA Level II Paint Other PCM energer Soil Viable Shop on first-poster Lab Use Only Log-In\_\_\_\_ Report\_

Relinquished by: 300-8408 Lab ID# 2/6 40 200 el co R H 18年 368 PA 在 858 A4846 Client ID# of white Material/Location 12×12/1 80x h Volume Area Results

Date :

Date:

Date: Relinquished by:

Received by

Date:

Received by:



APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990 E-mail: apexresearch@chartermi.net Fax: 734-449-9991

Address: Client Name: Project # : 7(108) Date of Survey: 3-2811 thing 8-27

> Lab Use Only Log-In\_\_\_\_ Report\_

City, St., Zip: Phone: 990 Turn Around Times: (Circle One) 9896 Fax: 989-454-3894

Contact Person:

Other: 48 hour Rush 24 hour 12 hour TEM: Mold: Lead: Bulk Bulk AHERA 7400 Wipe Wipe Tape Bulk/NOB Air Point Count BioSIS EPA Level II Paint Other PCM Soil Viable

Asbestos: Bulk

36943-220 Lab ID# 22/ 227 74 ナガガ 224 AT BRA らかか 323 AA SO 326 494 Client ID# Material/Location 21/21/12/12 A100 Volume Area Results

Relinquished by: Received by:

Rev: 12/03 Work Forms: COC

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Date: 9 - 1

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Date:

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36943-23/ HA 91 A 232 HA 91 B 234 234	Zip: Scan Tim Around Tim 24 hour 72 hour TTP  # Client II	APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990  E-mail: apexresearch@chartermi.net Fax: 734-449-9991
extra sample	os: Bulk wi Bulk wi Bulk Ta AHERA 7400	Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 4 E-mail: apexresearch@chartermi.net
	Project: 4683 Project #: 4683 Project #: 4683 Contact Person: 4683  pe Point Count Paint Othe Bulk/NOB EPA Level II	re, MI 48189 Phone: 7
	PCM Soil	Phone: 734-449-9990 Fax: 734-449-9991
	Report Report Report Results	APEX RESEARCH

Rev: 12/03 Work Forms: COC

Date: 8-4-1/

Date:



Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Inn Project # 071685-1-194

**Report To:** 

Mr. Ryan Londrigan

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37280

Date Collected: 08/30/11 Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37280 - 01

Cust. #: HA-69 F

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

POINT COUNT RESULT

Lab ID #: 37280 - 02

Cust. #: HA-69 G

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Cust. #: HA-69 H

Material: White Textured Paint

Location:

Asbestos Present: **NO** 

Chrysotile - 0.25%

Other - 99.75%

Other - 99.75%

Other - 100%

Lab ID #: 37280 - 03

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 0.25%

POINT COUNT RESULT

POINT COUNT RESULT

Asbestos Present: **NO** 

Chrysotile - Trace

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Inn Project # 071685-1-194

**Report To:** 

Mr. Ryan Londrigan

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37280

Date Collected: 08/30/11

Date Received: 09/01/11 Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 99.75%

Other - 99.5%

Other - 99.75%

Lab ID #: 37280 - 04

Cust. #: HA-69 I

Location:

Material: White Textured Paint

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 37280 - 05

Cust. #: HA-69 J

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous Layer: 1 of 1

Lab ID #: 37280 - 06

Cust. #: HA-69 K

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 0.25%

POINT COUNT RESULT

Asbestos Present: **NO** 

Chrysotile - 0.5%

POINT COUNT RESULT

POINT COUNT RESULT

Asbestos Present: **NO** 

Chrysotile - 0.25%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Inn Project # 071685-1-194

**Report To:** 

Mr. Ryan Londrigan

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37280

Date Collected: 08/30/11

Date Received: 09/01/11 Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37280 - 07

Cust. #: HA-69 L

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Lab ID #: 37280 - 08 Cust. #: HA-69 M

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Chrysotile - 0.25%

POINT COUNT RESULT

Asbestos Present: YES

POINT COUNT RESULT

Chrysotile - 1.25%

Lab ID #: 37280 - 09

Cust. #: HA-69 N

Material: White Textured Paint

Location:

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

Other - 100%

Other - 99.75%

Other - 98.75%

Chrysotile - Trace

POINT COUNT RESULT

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Inn Project # 071685-1-194

**Report To:** 

Mr. Ryan Londrigan

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37280

Date Collected: 08/30/11 Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37280 - 10

Cust. #: HA-69 O

Material: White Textured Paint

Location:

NOT ANALYZED

Asbestos Present:

Appearance: Layer:

Lab ID #: 37280 - 11

Asbestos Present:

Cust. #: HA-69 P

Material: White Textured Paint

Location:

NOT ANALYZED

Appearance:
Layer: 0

Lab ID #: 37280 - 12

Asbestos Present:

Cust. #: HA-69 Q

Material: White Textured Paint

Location:

NOT ANALYZED

Appearance: Layer: o

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield faise results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991



Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Inn Project # 071685-1-194

**Report To:** 

Mr. Ryan Londrigan

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37280

Date Collected: 08/30/11 Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37280 - 13

Cust. #: HA-69 R

Material: White Textured Paint

Location:

NOT ANALYZED

Asbestos Present:

Appearance:

Layer:

Lab ID #: 37280 - 14

Cust. #: HA-69 S

Material: White Textured Paint

Location:

Appearance: Layer:

NOT ANALYZED

Asbestos Present:

Asbestos Present:

Lab ID #: 37280 - 15

Cust. #: HA-69 T

Material: White Textured Paint

Location:

NOT ANALYZED

Appearance: of

Layer:

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Inn Project # 071685-1-194

**Report To:** 

Mr. Ryan Londrigan

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37280

Date Collected: 08/30/11

Date Received: 09/01/11 Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 99.25%

Other - 99.25%

Other - 98.5%

Lab ID #: 37280 - 16

Cust. #: HA-82 D

Material: White Textured Paint

Location: Stairwell

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

POINT COUNT RESULT

Asbestos Present: **NO** 

Chrysotile - 0.75%

Lab ID #: 37280 - 17

Cust. #: HA-82 E

Material: White Textured Paint

Location: Stairwell

Appearance: beige, fibrous, homogenous

Layer: 1 of 1

Chrysotile - 0.75%

POINT COUNT RESULT

Lab ID #: 37280 - 18

Cust. #: HA-82 F

Material: White Textured Paint

Location: Stairwell

Appearance: white, fibrous, homogenous

Layer: 1 of 1

Asbestos Present: YES

Chrysotile - 1.5%

POINT COUNT RESULT

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Inn Project # 071685-1-194

**Report To:** 

Mr. Ryan Londrigan

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37280

Date Collected: 08/30/11 Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37280 - 19

Cust. #: HA-82 G

Material: White Textured Paint

Location: Stairwell

NOT ANALYZED

Asbestos Present:

Appearance: Layer:

Lab ID #: 37280 - 20

Cust. #: HA-82 H

Material: White Textured Paint

Location: Stairwell

Appearance: Layer:

Asbestos Present:

NOT ANALYZED

Lab ID #: 37280 - 21

Cust. #: HA-82 I

Material: White Textured Paint

Location: Stairwell

NOT ANALYZED

Asbestos Present:

Appearance: Layer:

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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## 37280

Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990

Rev: 12/03

37280

## APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990

E-mail: apexresearch@chartermi.net

Fax: 734-449-9991



Rev: 12/03 Work Forms: COC	Date: 8-37-11	Relinquished by:	2	20	19	18	17	16	3	14	13	(R)	Lab ID#	Officer .	Other.	48 hour 72 hour	Rush 24 hour	Turn Arou	Phone:	City, St., Zip:	Address:	Client Name:
	Date:	Received by	17	H	6	7	Ш	HA-BD D	<del>-</del> +	5	2	H4-69 Q	Client ID#	I IIF	TYPO CONTRACTOR			Turn Around Times: (Circle One)	Fax:		214 Jares	ANT Parless
	Date: APEX RESEARCH	Received by: Kelinquished by: 0 1	<u> </u>					White Tayford Paint Stairwell	+			white Taxtond Part	Material/Location	TEM: AHERA 7400 Bulk/NOB	Mold: Bulk Tape	Lead: Bulk Wipe	Ashestos: Bulk Wipe	(Circle One)			Ava Project: 7/6	
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Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282

Date Collected: 08/30/11

Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37282 - 01

Cust. #: HA-93 A

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

Lab ID #: 37282 - 02

Cust. #: HA-93 B

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

Lab ID #: 37282 - 03

Cust. #: HA-93 C

Material: White Ceiling Tile

Location:

Appearance: grey,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

No Asbestos Observed

Cellulose - 40%

Mineral Wool - 30%

Other - 30%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282

Date Collected: 08/30/11

Date Received: 09/01/11

Date Analyzed: 09/02/11 Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37282 - 04

Cust. #: HA-94 A

Material: Fire Hose

Location:

Appearance: white, fibrous, nonhomogenous

Layer: 1 of 1

No Asbestos Observed

Lab ID #: 37282 - 05

Cust. #: HA-95 A

Material: Ceramic Tile Bedding

Location:

Appearance: yellow,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 06

Cust. #: HA-96 A

Material: Ceramic Tile Grout

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

Cellulose - 40%

Synthetic - 15%

Other - 45%

Asbestos Present: **NO** 

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

Other - 100%

Location:

For Layered Samples, each component will be analyzed and reported separately

Other - 100%

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282

Date Collected: 08/30/11 Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

No Asbestos Observed

Non-Asbestos

Lab ID #: 37282 - 07

Cust. #: HA-97 A

Material: Ceramic Tile Grout

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Lab ID #: 37282 - 08

Cust. #: HA-97 B

Material: Ceramic Tile Grout

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Lab ID #: 37282 - 09

Cust. #: HA-97 C

Material: Ceramic Tile Grout

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Asbestos Type/Percent

Asbestos Present: NO

Other - 100%

Other - 100%

Other - 100%

Asbestos Present: **NO** 

No Asbestos Observed

No Asbestos Observed

Asbestos Present: NO

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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## Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282

Date Collected: 08/30/11

Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

No Asbestos Observed

Non-Asbestos

Lab ID #: 37282 - 10

Cust. #: HA-98 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 11

Cust. #: HA-98 B

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 12

Cust. #: HA-98 C

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO

Other - 100%

Asbestos Present: **NO** 

No Asbestos Observed

Other - 100%

Asbestos Present: NO

No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

Other - 100%

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Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37282

Date Collected: 08/30/11

Date Received: 09/01/11 Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37282 - 13

Cust. #: HA-99 A

Material: Ceramic Tile Grout

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 14

Cust. #: HA-99 B

Material: Ceramic Tile Grout

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 15

Cust. #: HA-99 C

Material: Ceramic Tile Grout

Location:

Appearance: brown,nonfibrous,homogenous

Layer: 1 of 1

No Asbestos Observed

Asbestos Present: NO

Other - 100%

Other - 100%

Other - 100%

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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## Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282

Date Collected: 08/30/11

Date Received: 09/01/11

Date Analyzed: 09/02/11 Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37282 - 16

Cust. #: HA-100 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Present: NO No Asbestos Observed

Other - 100%

Lab ID #: 37282 - 17

Cust. #: HA-101 A

Material: Ceramic Tile Grout

Location:

Appearance: beige,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 18

Cust. #: HA-102 A

Material: Ceramic Tile Grout

Location:

Appearance: beige,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

No Asbestos Observed

Other - 100%

Other - 100%

Asbestos Present: NO

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282 Date Collected: 08/30/11

Date Received: 09/01/11

Date Analyzed: 09/02/11 Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Cellulose - 2%

Other - 98%

Lab ID #: 37282 - 19

Cust. #: HA-103 A

Material: Ceramic Tile Bedding

Location:

Appearance: brown,fibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

Other - 100%

Other - 100%

Lab ID #: 37282 - 20 Cust. #: HA-104 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 21

Cust. #: HA-105 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

No Asbestos Observed

Asbestos Present: NO

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282 Date Collected: 08/30/11

Date Received: 09/01/11

Date Analyzed: 09/02/11 Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 37282 - 22

Cust. #: HA-106 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

No Asbestos Observed

Other - 100%

Lab ID #: 37282 - 23 Cust. #: HA-107 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 24

Cust. #: HA-108 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 1 of 2

Asbestos Present: NO Other - 100%

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991



## Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282

Date Collected: 08/30/11 Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Non-Asbestos

Lab ID #: 37282 - 24a

Cust. #: HA-108 A

Material: Ceramic Tile Bedding

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Lab ID #: 37282 - 25

Cust. #: HA-108 B

Material: Ceramic Tile Grout

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Lab ID #: 37282 - 25a

Cust. #: HA-108 B

Material: Ceramic Tile Bedding

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Asbestos Type/Percent

No Asbestos Observed

Asbestos Present: NO

Other - 100%

Asbestos Present: **NO** 

No Asbestos Observed

Other - 100%

Other - 100%

Asbestos Present: NO No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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## Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37282

Date Collected: 08/30/11

Date Received: 09/01/11 Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 37282 - 26

Cust. #: HA-109 A

Material: Ceramic Tile Grout

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 2

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Other - 100%

Lab ID #: 37282 - 26a Cust. #: HA-109 A

Material: Ceramic Tile Bedding

Location:

Appearance: white, nonfibrous, homogenous

Layer: 2 of 2

Lab ID #: 37282 - 27

Cust. #: HA-110 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

For Layered Samples, each component will be analyzed and reported separately

Layer: 1 of 1

Robert T. Letarte Jr., Laboratory Director

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## Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282 Date Collected: 08/30/11

Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Asbestos Present: NO

No Asbestos Observed

Non-Asbestos

Other - 100%

Lab ID #: 37282 - 28

Cust. #: HA-111 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO** No Asbestos Observed

Other - 100%

Other - 100%

Lab ID #: 37282 - 29 Cust. #: HA-112 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 2

Lab ID #: 37282 - 29a

Cust. #: HA-112 A

Material: Cement Board

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 2 of 2

Asbestos Present: NO No Asbestos Observed

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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## Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

**Report To:** 

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report #

11-37282

Date Collected: 08/30/11 Date Received: 09/01/11

Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Other - 100%

Lab ID #: 37282 - 30

Cust. #: HA-113 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 31

Asbestos Present: NO No Asbestos Observed

Asbestos Present: **NO** 

No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Other - 100%

Cust. #: HA-114 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 32

Cust. #: HA-115 A

Material: Ceramic Tile Grout

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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### **Certificate of Laboratory Analysis**



Test Method, Polarized Light Microscopy (PLM)

Project: Ramada Project # 7168s-1-194

Report To:

Mr. Don Malusi

**AKT Peerless Environmental Services** 

214 Janes Avenue Saginaw, MI 48607 ARI Report # 11-37282

Date Collected: 08/30/11

Date Received: 09/01/11 Date Analyzed: 09/02/11

Date Reported: 09/06/11

Sample Information

Asbestos Type/Percent

Non-Asbestos

Lab ID #: 37282 - 33

Cust. #: HA-116 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Asbestos Present: **NO**No Asbestos Observed

Other - 100%

Lab ID #: 37282 - 34

Cust. #: HA-117 A

Material: Ceramic Tile Grout

Location:

Appearance: grey,nonfibrous,homogenous

Layer: 1 of 1

Lab ID #: 37282 - 35

Cust. #: HA-118 A

Material: Ceramic Tile Grout

Location:

Appearance: white, nonfibrous, homogenous

Layer: 1 of 1

Asbestos Present: **NO** 

No Asbestos Observed

No Asbestos Observed

Other - 100%

Asbestos Present: **NO** Other - 100%

For Layered Samples, each component will be analyzed and reported separately

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

# APEX # 37282

Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990 0 E-mail: apexresearch@chartermi.net Fax: 734-449-9991

APEX RESEARCH	Date: APE		Date:	Date:		Date: 8-5/11
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fasitive tiles	Stap @ First	Scort/adherive	os: Bulk X Wipe	Around Times: (Circle One)  24 hour Transcard & Asbest	Faste +	Rush 24 hour
		rson		Fax:_	187-754-9896	Phone: 187-73
Report	1-194	1: 7/885 -	Project # :	com MI	Soginous	
Lab Use Only Log-In	30-11	urv		oca issu	216	Address:
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Pa 1 of 4

Rev: 12/03

# 37282

Address:

Date of Survey:

Project : Project #:

1 Camada

1-184

Lab Use Only Log-In\_\_\_\_

Report

Client Name:

City, St., Zip:

APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990 E-mail: apexresearch@chartermi.net Fax: 734-449-9991



Phone:	Fax:		Danser.	2	
Turn Arou	Turn Around Times: (Circle One)		Contact I EISOII.		1
Rush 24 hour		Asbestos: Bulk Wipe	Point Count	PCM	
48 hour 72 hour		Lead: Bulk Wipe	_ Air Pa	Paint Soil	
Other:	TTP	Mold: Bulk Tape	BioSIS	Other Vi	Viable
Particular Control		TEM: AHERA 7400 Bulk/NOB		EPA Level II	
Lab ID#	Client ID #	Material/Location	Volume	Area	Results
Q.	HA-98 C	Ceramitile Geast			10000000
ŵ	HA-99 A	よかん			
14	8				
15	7 6				
16	HA-100 A	Colamic Tile Grost			
17	17A-101 B	Ceram the Grat			
18	HA.102 A	7.7			
19	HA-103 A	til Bo			
B	11A-104 A	ic 7.14			
21	114-105 A	( Fram tile Grost			
22	11A-106 A	7.10		)	
Relinquished by:	Received by:	Bour		Received by: SED 0 1 2011	
Date: 8-3/-11	Date:			Date ·	- 2011
Rev: 12/03 Work Forms: COC				3	TX HESEANCY

p / of 2

APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990 E-mail: apexresearch@chartermi.net



	2	E-mail: apexiesearch@chartermi.net		Fax: 734-449-9991	
Client Name: Address:	ANT Peerless		2	8-30-11	Lab Use Only Log-In
City, St., Zip:		Project #:	1100s-	1-11-1	Report
Phone:	Fa	Fax: Contact Person:	Person.		
Turn Around	Time		r croon.		F
Rush 24 hour		Asbestos: Bulk Wipe	Point Count	PCM	
48 hour 72 hour		Lead: Bulk Wipe	Air Paint	Soil_	
	TTP	Mold: Bulk Tape	BioSIS	Other Viable	ole
Control of		TEM: AHERA 7400 Bulk/NOB	)B EPA Level II	el II	
Lab ID#	Client ID#	Material/Location	Volume	Area	Results
l W	HA-107 A	Coramo Tile Grost			
76	HA -168 A	Ceremon Tile materials of Bellis			
25	M- 108 B	7.12			
R	11A-109 A	7.6			
27	HA-110 A	Cesame Tile Goot			
2%	HA-III A	T.1 C			
29	N-417 A	Tile Go			
B	HX-113 A	Tile Goot			
w w	HA-114 A	Cotama tile Good			
32	11x-115 A	c Tik			
33	144-116 A	Coramic the Good			
9	Received by:	Relinquished by:		Recovery	
Date: 8-3/1	Date :			Days - Colon Brown	
ev: 12/03				SEP 0 1 20	11



Lab Use Only Log-In\_\_\_\_

Report

48 hour Phone: Other: Rush Address: City, St., Zip: Client Name: AKT APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990 Furn Around Times: (Circle One) Lab ID# 24 hour 72 hour B 4A-118 HA- 117 Client ID# Received by: Fax: ~ Came ( \* com TEM: Mold: Lead: Asbestos: Bulk Material/Location AHERA 7400 Bulk TIL E-mail: apexresearch@chartermi.net ナーナ 610+7 Grat Wipe Wipe Project : Project #:\_ Contact Person: \_ Date of Survey: Bulk/NOB Air BioSIS Point Count Volume 071685 1-154 EPA Level II Fax: 734-449-9991 Paint 8-30-11 Other Area PCM Soil RECEIVED Results

Date:

8-37-4

Date:

Relinquished by:

Received by: SEP 0 1 2011

APEX RESEARCH

Relinquished by:

Rev: 12/03 Work Forms: COC

## APPENDIX C SUMMARY OF HAZARDOUS MATERIALS



Client: GCLBA
Site Name: Former Ramada Inn and Suites
Site Address: 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey Date: August, 2011

Survey Da	<u> </u>	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
Exterior	2	Dumpster Corral	12	1-gallon paint cans
Exterior	2	Dumpster Corral	2	2-gallon paint containers
Exterior	2	Dumpster Corral	13	1-qt or smaller paint containers
Exterior	2	Dumpster Corral	2	Televisions
Exterior	2	Dumpster Corral	1	Aersol
Exterior	2	Dumpster Corral	1	1-gallon antifreeze
Exterior	2	Dumpster Corral	3	5-gallon paint containers
Exterior	2	Building Exterior and Parking Lot	13	HPS/Metal halide bulbs west side
Exterior	2	Building Exterior and Parking Lot	1	Pad mounted electrical transformer owned by Consumers Energy
Exterior	2	Building Exterior and Parking Lot	3	HPS/Metal halide bulbs east side
Exterior	2	Building Exterior and Parking Lot	19	HPS/Metal halide bulbs parking lot light poles
Exterior	2	Building Exterior and Parking Lot	9	HPS/Metal halide bulbs parking lot light poles possibly belong to Bob Evans
Exterior	2	Building Exterior and Parking Lot	1	Automotive tire by pool/lower level offices
Exterior	2	Building Exterior and Parking Lot	5	1-qt or smaller paint containers
Exterior	2	Building Exterior and Parking Lot	2	1-gallon paint cans
Exterior	2	Building Roof	5	5-gallon roof tar containers, likley dry
L1	1	Open block storage area	1	5-gallon glue, likely hard
L1	1	Open block storage area, unfinished southeast portion of the building	1	Sm. Camping size propane
L1	FS-3	Bathrooms	14	4' Fluorescent bulb
L1	FS-3	Bathrooms	6	Ballast
L1	FS-4	Hallway	31	4' Fluorescent bulb
L1	FS-4	Hallway	8	Ballast
L1	FS-4	Hallway	2	Mercury thermostat
L1	FS-4	Hallway	1	5-gallon container corrosive sanitizer

Inspector: RTL Page 1 of 9



Client: GCLBA
Site Name: Former Ramada Inn and Suites
Site Address: 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey Date: August, 2011

Survey D	ate:	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L1	FS-5	Ball Room-south end of bldg.	232	4' fluorescent bulb
L1	FS-5	Ball Room-south end of bldg.	116	Ballast
L1	FS-6	Storage room west of ballroom	1	Fire extinguisher
L1	FS-6	Storage room west of ballroom	5	Ballast
L1	FS-6	Storage room west of ballroom	10	4' fluorescent bulb
L1	FS-6	Storage room west of ballroom	1	1-gallon paint
L1	FS-7	Conference Room	2	Mercury thermostats
L1	FS-7	Conference Room	1	Smoke alarm
L1	FS-7	Conference Room	1	Aerosols
L1	FS-7	Conference Room	1	5-gallon container suspect drywall mud
L1	FS-7	Conference Room	18	8' Fluorescent bulb
L1	FS-7	Conference Room	18	Ballast
L1	FS-7 Storage	Storage room north of confrence room	1	5-gallon paint containers
L1	FS-7 Storage	Storage room north of confrence room	1	Aerosols
L1	FS-9	Bar/Restaurant	6	Ballast
L1	FS-9	Bar/Restaurant	3	4' Fluorescent bulb
L1	FS-9	Bar/Restaurant	1	Television
L1	FS-9	Bar/Restaurant	2	Aersol
L1	FS-9	Bar/Restaurant	1	Double sided refrigerator behind bar
L1	FS-9	Bar/Restaurant	1	Mercury thermostat
L1	FS-10	Kitchen	3	Fire extinguisher
L1	FS-10	Kitchen	3	4' Fluorescent bulb
L1	FS-10	Kitchen	5	8' Fluorescent bulb
L1	FS-10	Kitchen	21	Ballast, possible more in debris on floor
L1	FS-10	Kitchen	1	Aerosols
L1	FS-10	Kitchen	1	Central fire extinguisher system, for stoves
L1	FS-10	Kitchen	3	Refrigeration units
L1	FS-10	Kitchen	2	5-gallon container corrosive dishwasher detergent

Inspector: RTL Page 2 of 9



**Client: GCLBA** Site Name: Former Ramada Inn and Suites **Site Address:** 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey D	ate:	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L1	FS-11	Lobby & Offices	2	Computers
L1	FS-11	Lobby & Offices	4	Mercury thermostats
L1	FS-11	Lobby & Offices	7	Glass cleaner 1-gallon or smaller in size
L1	FS-11	Lobby & Offices	1	Weed killer 1-gallon container
L1	FS-11	Lobby & Offices	2	Smoke alarm
L1	FS-11	Lobby & Offices	2	Aerosols
L1	FS-11	Lobby & Offices	1	1-quart paint
L1	FS-11	Lobby & Offices	1	Fire extinguisher
L1	FS-11	Lobby & Offices	160	Fluorescent bulbs (4')
L1	FS-11	Lobby & Offices	2	Fluorescent bulbs (8')
L1	FS-11	Lobby & Offices	4	Fluorescent bulbs (5')
L1	FS-11	Lobby & Offices	8	Fluorescent bulbs (2')
L1	FS-11	Lobby & Offices	42	Ballast
L1	FS-11	Lobby & Offices	2	Pop machines
L1	FS-11	Lobby & Offices	3	HVAC units, with suspected interior glycol or other liquid contents within coil system
L1	FS-12	Pool Area	1	5-gallon container flammable
L1	FS-12	Pool Area	1	Fire extinguisher
L1	FS-12	Pool Area	4	Aerosols
L1	FS-12	Pool Area	1	Compressor
L1	FS-12	Pool Area	7	Ballast
L1	FS-12	Pool Area	24	Fluorescent bulbs (4')
L1	FS-12	Pool Area	1	Mercury thermostat
L1	FS-12	Pool Area	2	Fluorescent bulbs small (6")
L1	FS-12	Pool Area	2	Small ballast
L1	FS-13	Lower level offices	123	Fluorescent bulbs (4')
L1	FS-13	Lower level offices	68	Ballast
L1	FS-13	Lower level offices	2	Mercury thermostats
L1	FS-13	Lower level offices	1	Fire extinguisher
L1	FS-13	Lower level offices	1	Propane tank - 20 lbs
L1	FS-13	Lower level offices	1	Multi-purpose adhesive, 5-gallon container
L1	FS-13	Lower level offices	2	Television
L1	FS-13	Lower level offices	9	1-gallon container paint
L1	FS-13	Lower level offices	2	5-gallon container paint
L1	FS-13	Lower level offices	1	2-gallon container urathane adhesive
L1	FS-14	Hotel Mechanical	8	Fluorescent bulbs (8')
L1	FS-14	Hotel Mechanical	2	Computers

Inspector: RTL Page 3 of 9



Client: GCLBA
Site Name: Former Ramada Inn and Suites
Site Address: 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey Date: August, 2011

Survey D	ate:	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L1	FS-14	Hotel Mechanical	46	Fluorescent bulbs (4')
L1	FS-14	Hotel Mechanical	21	Ballast
L1	FS-14	Hotel Mechanical	2	Smoke alarm
L1	FS-14	Hotel Mechanical	3	Fire extinguisher
L1	FS-14	Hotel Mechanical	1	5-gallon Clothes washing solution
L1	FS-14	Hotel Mechanical	200- gallons	Elevator hydraulic oil, non-PCB
L1	FS-14	Hotel Mechanical	8	Aerosols
L1	FS-14	Hotel Mechanical	1	5-gallon container Bromide tablets
L1	FS-14	Hotel Mechanical	1	1-gallon Carpet cleaning solution
L1	FS-14	Hotel Mechanical	1	5-gallon plastic container with unknown corrosive materials
L1	FS-14	Hotel Mechanical	1	"Stain away" for pools, 1-gallon
L1	FS-14	Hotel Mechanical	15	Battery packs, for emergency lights
L1	FS-14	Hotel Mechanical	1	gasket cleaner, 1 quart
L1	FS-14	Hotel Mechanical	1	Glass cleaner, 2-gallon
L1	FS-14	Hotel Mechanical	1	Eco-Lab Laundry detergent, 2-gallon
L1	FS-14	Hotel Mechanical	2	General cleaner, 1 quart containers
L1	FS-14	Hotel Mechanical	1	5-gallon container unknown contents
L1	FS-14	Hotel Mechanical	1	Laundry detergent, 1-gallon
L1	FS-14	Hotel Mechanical	1	HPS bulb
L1	FS-14	Mechanical Room/Storage Room	200	4' Fluorescent bulbs
L1	FS-14	Mechanical Room/Storage Room	1	Smoke alarm
L1	FS-14	Mechanical Room/Storage Room	102	Aerosols
L1	FS-14	Mechanical Room/Storage Room	32	1-gallon container paint
L1	FS-14	Mechanical Room/Storage Room	13	1 quart container paint
L1	FS-14	Mechanical Room/Storage Room	2	Tires
L1	FS-14	Mechanical Room/Storage Room	1	Motor oil, 1 quart
L1	FS-14	Mechanical Room/Storage Room	1	Hydrochloric acid, 1-gallon container
L1	FS-14	Mechanical Room/Storage Room	4	Hydrochloric acid, 1-quart container
L1	FS-14	Mechanical Room/Storage Room	12	Mineral Spirits/paint thinner, 1-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Floor finish, 1-gallon
L1	FS-14	Mechanical Room/Storage Room	2	Refrigerator oil, 1-gallon containers
L1	FS-14	Mechanical Room/Storage Room	1	Floor cleaner, 1-gallon container
L1	FS-14	Mechanical Room/Storage Room	3	Floor stripper, 1-gallon container

Inspector: RTL Page 4 of 9



**Client: GCLBA** Site Name: Former Ramada Inn and Suites **Site Address:** 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey D	ate:	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L1	FS-14	Mechanical Room/Storage Room	1	Thinner, 1 quart
L1	FS-14	Mechanical Room/Storage Room	1	Wire pull lubricant, 1-galon container
L1	FS-14	Mechanical Room/Storage Room	1	General cleaner, 1 quart containers
L1	FS-14	Mechanical Room/Storage Room	1	Auto wax, 1-quart
L1	FS-14	Mechanical Room/Storage Room	1	Solvent - cleaner, 1-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Floor finish, 1-gallon
L1	FS-14	Mechanical Room/Storage Room	1	Metal polishing, 1-gallon
L1	FS-14	Mechanical Room/Storage Room	1	Carpet adhesive, 1-gallon
L1	FS-14	Mechanical Room/Storage Room	8	Adhesive, 1-gallon containers
L1	FS-14	Mechanical Room/Storage Room	2	Gasoline, 1-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Spackling compound, 1-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Cooling system cleaner, 5-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Aerate Decarbonant, 5-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Driveway sealer, 5-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Unknown material, 5-gallon container
L1	FS-14	Mechanical Room/Storage Room	1	Large compressor unit, appears cut and no longer contain CFCs
L1	FS-14	Mechanical Room/Storage Room	1	Exit sign
L1	FS-14	Mechanical Room/Storage Room	1	Unknown material in 3-gallon sprayer
L1	FS-14	Tool Room	1	Detergent, 1-gallon container
L1	FS-14	Tool Room	1	Insecticide, 1-gallon container
L1	FS-14	Tool Room	1	Oxygen 100lb cylinder
L1	FS-14	Tool Room	1	Carpet cleaner, 1-gallon container
L1	FS-14	Tool Room	1	Adhesive, 1-gallon container
L1	FS-14	Tool Room	1	Adhesive, 1-quart container
L1	FS-14	Tool Room	1	Ammonia, 1-gallon container
L1	FS-14	Tool Room	2	2-gallons unknown material in sprayer
L1	FS-14	Tool Room	4	Cleaner, 1-quart containers
L1	FS-14	Tool Room	4	Small U-shaped flourescent bulbs
L1	Hotel Floor 1	Storage Room Next to Central Elevator	4	Carpet protector, 1-gallon
L1	Hotel Floor 1	Storage Room Next to Central Elevator	1	Refrigerant oil, 1-gallon
L1	Hotel Floor 1	Storage Room Next to Central Elevator	2	Swimming pool clarifier, 5-gallon

Inspector: RTL Page 5 of 9



**Client: GCLBA** Site Name: Former Ramada Inn and Suites **Site Address:** 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey D	ate:	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L1	Hotel Floor 1	Storage Room Next to Central Elevator	1	Chlorine tablets, 5-gallon container
L1	Hotel Floor 1	Storage Room Next to Central Elevator	1	pH Increaser, 2.5 -gallon container
L1	Hotel Floor 1	Storage Room Next to Central Elevator	1	pH Reducer, 2.5-gallon container
L1	Hotel Floor 1	Storage Room Next to Central Elevator	1	Contact herbicide, 1-gallon
L1	Hotel Floor 1	Storage Room Next to Central Elevator	9	Detergent tablets for window washing, 1/2 quart tablets
L1	Hotel Floor 1	Storage Room Next to Central Elevator	5	Miscellaneous pool cleaners, 1-quart containers
L1	Hotel Floor 1	Storage Room Next to Central Elevator	10	Anti-foam, 1-quart containers
L1	Hotel Floor 1	Storage Room Next to Central Elevator	1	5-gallon container, grout mix
L1	Hotel Floor 1	Storage Room Central Stair	49	1-gallon paint
L1	Hotel Floor 1	Storage Room Central Stair	10	5-gallon paint
L1	Hotel Floor 1	Storage Room Central Stair	1	5-gallon Roof Tar
L1	Hotel Floor 1	Storage Room Central Stair	1	Insecticide, 1-gallon
L1	Hotel Floor 1	Storage Room Central Stair	2	Cleaner, 1-quart
L1	Hotel Floor 1	Storage Room Central Stair	1	TSP Cleaner, 1-gallon
L1	Hotel Floor 1	Storage Room Central Stair	2	Grout, 5-gallon
L1	Hotel Floor 1	Storage Room Central Stair	5	1-quart paint
L1	Hotel Floor 1	Storage Room Central Stair	1	Floor and Wall Primer, 1-gallon
L1	Hotel Floor 1	Storage Room Central Stair	1	Grout Pre-Mix, 1-quart
L1	Hotel Floor 1	Guest Room Area	2	Exit Lights
L1	Hotel Floor 1	Guest Room Area	2	Emergency Lights
L1	Hotel Floor 1	Guest Room Area	6	Small Fluorscent Lights (4")
L1	Hotel Floor 1	Guest Room Area	1	Fire Extinguisher

Inspector: RTL Page 6 of 9



Client: GCLBA
Site Name: Former Ramada Inn and Suites
Site Address: 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey D	ate:	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L1	Hotel Floor 1	Guest Room Area	12	Aerosols
L1	Hotel Floor 1	Guest Room Area	6	Fluorescent Bulbs (4')
L1	Hotel Floor 1	Guest Room Area	6	Ballast
L1	Hotel Floor 1	Guest Room Area	1	Masonry Stucco (5-gallon)
L1	Hotel Floor 1	Guest Room Area	15	Sheeting Adhesive/Synthetic Finish (Stucco) (5-gallon)
L1	Hotel Floor 1	Guest Room Area	1	Unknown Plaster (3-gallon)
L1	Hotel Floor 1	Guest Room Area	6	Paint (1-gallon)
L1	Hotel Floor 1	Guest Room Area	1	Computer
L1	Hotel Floor 1	Guest Room Area	6	Mini-Fridge (stripped, no freon)
L1	Hotel Floor 1	Guest Room Area	1	Paint (2-gallon)
L1	Hotel Floor 1	Guest Room Area	2	Television
L1	Hotel Floor 1	Guest Room Area	1	Adhesive (1-gallon)
L1	Hotel Floor 1	Central Elevator	2	Ballast
L1	Hotel Floor 1	Central Elevator	1	Fluorescent Bulb <4'
L1	Hotel Floor 1	Guest Room Area	1	Paint (1-gallon)
L1	Hotel Floor 1	Guest Room Area	12	UniRinse Dishwasher Detergent (1 gallon)
L1	Hotel Floor 1	Guest Room Area	2	Adhesive (5-gallon)
L1	Hotel Floor 1	Guest Room Area	4	Carpet Cleaner (1-gallon)
L1	Hotel Floor 1	Guest Room Area	3	Soda Ash (sodium carbonate) (50lb bag)
L1	Hotel Floor 1	Guest Room Area	1	Mercury Thermostat
L1	Hotel Floor 1	Guest Room Area	1	Grease B-Gone Cleaner (1-gallon)
L1	Hotel Floor 1	Guest Room Area	1	Hydrogen Peroxide (1 quart)
L1	Hotel Floor 1	Central Courtyard - Outside Room 112	3	Paint (1-gallon)
L1	Hotel Floor 1	Guest Room Area	5	Cleaner (1 quart)

Inspector: RTL Page 7 of 9



**Client: GCLBA** Site Name: Former Ramada Inn and Suites 4300 West Pierson Road, Flint, Michigan **Site Address:** 

**AKT Project No.:** 7168s

Survey D	ate:	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L1	Hotel Floor 1	Guest Room Area	3	Adhesive (5-gallon, 2 dry)
L2	Hotel Floor 2	Hotel 2nd Floor	9	Emergency lights
L2	Hotel Floor 2	Hotel 2nd Floor	4	Exit sign
L2	Hotel Floor 2	Hotel 2nd Floor	3	Aerosols
L2	Hotel Floor 2	Hotel 2nd Floor	3	Small Fluorescent Light Bulbs
L2	Hotel Floor 2	Hotel 2nd Floor	3	Small Fluorescent Light Ballast
L2	Hotel Floor 2	Hotel 2nd Floor	2	Fluorescent Bulbs (5')
L2	Hotel Floor 2	Hotel 2nd Floor	4	Ballast
L2	Hotel Floor 2	Hotel 2nd Floor	1	Pop Machine
L2	Hotel Floor 2	Hotel 2nd Floor	5	Fluorescent Bulbs (4')
L2	Hotel Floor 2	Hotel 2nd Floor	1	Television
L2	Hotel Floor 2	Hotel 2nd Floor	5	General cleaner, 1-quart containers
L3	Hotel Floor 3	Hotel 3rd Floor	4	Emergency lights
L3	Hotel Floor 3	Hotel 3rd Floor	5	Exit signs
L3	Hotel Floor 3	Hotel 3rd Floor	5	Small Fluorescent Light Bulbs
L3	Hotel Floor 3	Hotel 3rd Floor	1	Television
L3	Hotel Floor 3	Hotel 3rd Floor	2	Ballast
L3	Hotel Floor 3	Hotel 3rd Floor	4	4' Fluorescent bulb
L3	Hotel Floor 3	Hotel 3rd Floor	1	Fire extinguisher
L3	Hotel Floor 3	Hotel 3rd Floor	1	1-gallon paint
L4	Hotel Floor 4	Hotel 4th Floor	5	Exit sign
L4	Hotel Floor 4	Hotel 4th Floor	16	Small Fluorescent Light Bulbs (6")
L4	Hotel Floor 4	Hotel 4th Floor	4	Emergency lights
L4	Hotel Floor 4	Hotel 4th Floor	4	4' Fluorescent bulb

Inspector: RTL Page 8 of 9



Client: GCLBA
Site Name: Former Ramada Inn and Suites
Site Address: 4300 West Pierson Road, Flint, Michigan

**AKT Project No.:** 7168s

Survey Date: August, 2011

Survey D	aie.	August, 2011		
Bldg. Level	Func. Space No.	Func. Space Name	Number	Description/ Comments
L4	Hotel Floor 4	Hotel 4th Floor	2	Ballast
L4	Hotel Floor 4	Hotel 4th Floor	1	1-quart paint
L5	Hotel Floor 5	Hotel 5th Floor	10	Small Fluorescent Light Bulbs (6")
L5	Hotel Floor 5	Hotel 5th Floor	3	Exit sign
L5	Hotel Floor 5	Hotel 5th Floor	4	Emergency lights
L5	Hotel Floor 5	Hotel 5th Floor	2	Aerosols
L5	Hotel Floor 5	Hotel 5th Floor	1	Roof tar, 5-gallon container
L5	Hotel Floor 5	Hotel 5th Floor	1	Ballast
L5	Hotel Floor 5	Hotel 5th Floor	2	4' fluorescent bulb
L5	Hotel Floor 5	Hotel 5th Floor	1	Fire extinguisher
L5	Hotel Floor 5	Hotel 5th Floor	1	microwave
L1-5	Hotel All Floors	Guest Rooms	198	4' Fluorescent bulbs (one per room)
L1-5	Hotel All Floors	Guest Rooms	198	Ballast (one per room)
L1-5	Hotel All Floors	Guest Rooms	346	Smoke alarm (one or two per room)
L1	-	Storage Room (Next to North Stair)	12	4' Fluorescent bulbs
L1	-	Storage Room (Next to North Stair)	2	Ballast
L1	-	Storage Room (Next to North Stair)	3	Wallpaper adhesive (1-gallon)
L1	-	Storage Room (Next to North Stair)	4	Exit sign
L1	-	Storage Room (Next to North Stair)	5	Emergency lights

Inspector: RTL Page 9 of 9

# APPENDIX D LABORATORY ANALYTICAL RESULTS FOR PCB SAMPLES



Report ID: S49626.01(01) Generated on 08/10/2011

Report to

Attention: Ryan Londrigan AKT Peerless Environmental

214 Janes

Saginaw, MI 48604

Phone: 989-754-9896 FAX: 989-754-3804

Email: londriganr@aktpeerless.com

Report produced by

Merit Laboratories 2680 East Lansing Drive East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

### Report Summary

Lab Sample ID(s): S49626.01-S49626.02

Project: 7168s

Collected Date: 08/02/2011

Submitted Date/Time: 08/09/2011 14:15

Sampled by: Unknown

P.O. #:

### Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:

Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)

Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak Laboratory Director

Violetta F. Murshall



Sample Summary (2 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49626.01	Central Elevator Res.	Oil	08/02/2011 00:01
S49626.02	South Elevator Res.	Oil	08/02/2011 00:01



Lab Sample ID: S49626.01 Sample Tag: Central Elevator Res. Collected Date/Time: 08/02/2011 00:01

Matrix: Oil

COC Reference: 57527

### Sample Containers

#	Туре	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.6	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS # Flags
Extraction / Prep.						
Extraction, PCB	Completed			3550B	08/09/11 20:25	EMR
Organics - PCBs/Pesticides						
•						
PCB List						
PCB-1016	Not detected	ug/kg	1,000	8082	08/10/11 15:36	JANB 12674-11-2
PCB-1242	Not detected	ug/kg	1,000	8082	08/10/11 15:36	JANB 53469-21-9
PCB-1221	Not detected	ug/kg	1,000	8082	08/10/11 15:36	JANB 11104-28-2
PCB-1232	Not detected	ug/kg	1,000	8082	08/10/11 15:36	JANB 11141-16-5
PCB-1248	Not detected	ug/kg	1,000	8082	08/10/11 15:36	JANB 12672-29-6
PCB-1254	Not detected	ug/kg	1,000	8082	08/10/11 15:36	JANB 11097-69-1
PCB-1260	Not detected	ug/kg	1,000	8082	08/10/11 15:36	JANB 11096-82-5



Lab Sample ID: S49626.02 Sample Tag: South Elevator Res. Collected Date/Time: 08/02/2011 00:01

Matrix: Oil

COC Reference: 57527

### Sample Containers

#	Туре	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.6	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS # Flags
Extraction / Prep.						
Extraction, PCB	Completed			3550B	08/09/11 20:25	EMR
Organics - PCBs/Pesticides						
•						
PCB List						
PCB-1016	Not detected	ug/kg	1,000	8082	08/10/11 15:57	JANB 12674-11-2
PCB-1242	Not detected	ug/kg	1,000	8082	08/10/11 15:57	JANB 53469-21-9
PCB-1221	Not detected	ug/kg	1,000	8082	08/10/11 15:57	JANB 11104-28-2
PCB-1232	Not detected	ug/kg	1,000	8082	08/10/11 15:57	JANB 11141-16-5
PCB-1248	Not detected	ug/kg	1,000	8082	08/10/11 15:57	JANB 12672-29-6
PCB-1254	Not detected	ug/kg	1,000	8082	08/10/11 15:57	JANB 11097-69-1
PCB-1260	Not detected	ug/kg	1,000	8082	08/10/11 15:57	JANB 11096-82-5



2680 East Lansing Dr., East Lansing, MI 48823 Phone (517) 332-0167 Fax (517) 332-6333 www.meritlabs.com

C.O.C.	PAGE	#	OF

57527

REPORT TO		CHAII	N OF CU	JST	OD	Y RE	COF	RD					INVOICE	Е ТО
CONTACT NAME RYAN Landeig	San				CONTA	ACT NAME	1					□SA	ME	
COMPANY ALL PEERLSS	<del>)                                    </del>			7	OMP/	ANY							-	-
ADDRESS HU Tanes				_   7	ADDRE	SS		•	_		_			
CITY		STATE ZIP	CODE		CITY							STATE	ZIP CODE	
PHONE NO. 754-9896 FA	154-3804	P.O. NO.	· · · -	7	HONE	E NO.	•		FAX NO	).		P.O. NO.		
E-MAIL ADDRESS		QUOTE NO.		٦į	. ::.			ANALY	SIS (ATTA	CH LIST IF MC	ORE SPACE	REQUIRE	D)	
PROJECT NO NAME		SAMPLER(S) - PLEASE	PRINT/SIGN NA	WE	<u> </u>				·			SPECIAL	LINSTRUCTIONS/	NOTES
TURNAROUND TIME REQUIRED	24 HR	□ 72 HR 🐕	STANDARD		ОТН	IER								
DELIVERABLES REQUIRED \( \triangle \)	STANDARD   LEVEL II	□ LEVEL III □	OTHER					NA						
MATRIX GW=GROUNDWATER CODE: SL=SLUDGE	WW=WASTEWATER S=SOIL O=OIL A=AIR		SD=SOLID M=MISC			ontainer. servativ	8	THE						
MERIT YEAR LAB NO. DATE TIME	SAMPLE TA IDENTIFICATION DESC	G CRIPTION	MATRIX # OF BOTTLES	NONE	설 달	H, SQ.	MeOH OTHER							
49626.01 8/2/11	Central Elevator	Res	01	1				X						
	South Flexator 1	,(	VV	1				X						
			77											
·							,	·						
	- · · · · ·													
	-													
												1		
_													14	
RELINQUISHED BY: SIGNATURE/ORGANIZATION	1/2	C/DAT	THME	$\neg $		NQUISHEI		TION A	# 10	S Flori	ne !	#	- MEKERII	79/5
RECEIVED BY: SIGNATURE/ORGANIZATION	ALT I Storage	_ 013	TIME	7	RECE	EIVED BY:			O	nd			8-4-11	1475
RELINQUISHED BY: SIGNATURE/ORGANIZATION	T. Storesur	DAT	TE TIME	7	SEAL			SEAL INTA	CT NO 🗀	INITIALS	NOTES:	TEMP.	ON ARRIVAL 46	_
RECEIVED BY: SIGNATURE/ORGANIZATION	[ inf. ]	L SCALL	7/35	7	SEAL	NÖ,		SEAL INTA		INITIALS				
Who	PLEASE NOTE: SI	GNING ACKNOWL	EDGES ACC	EPT	ANC	E QF TI	ERMS	& CÓNDITIO	NS ON RE	VERSE SIDE				